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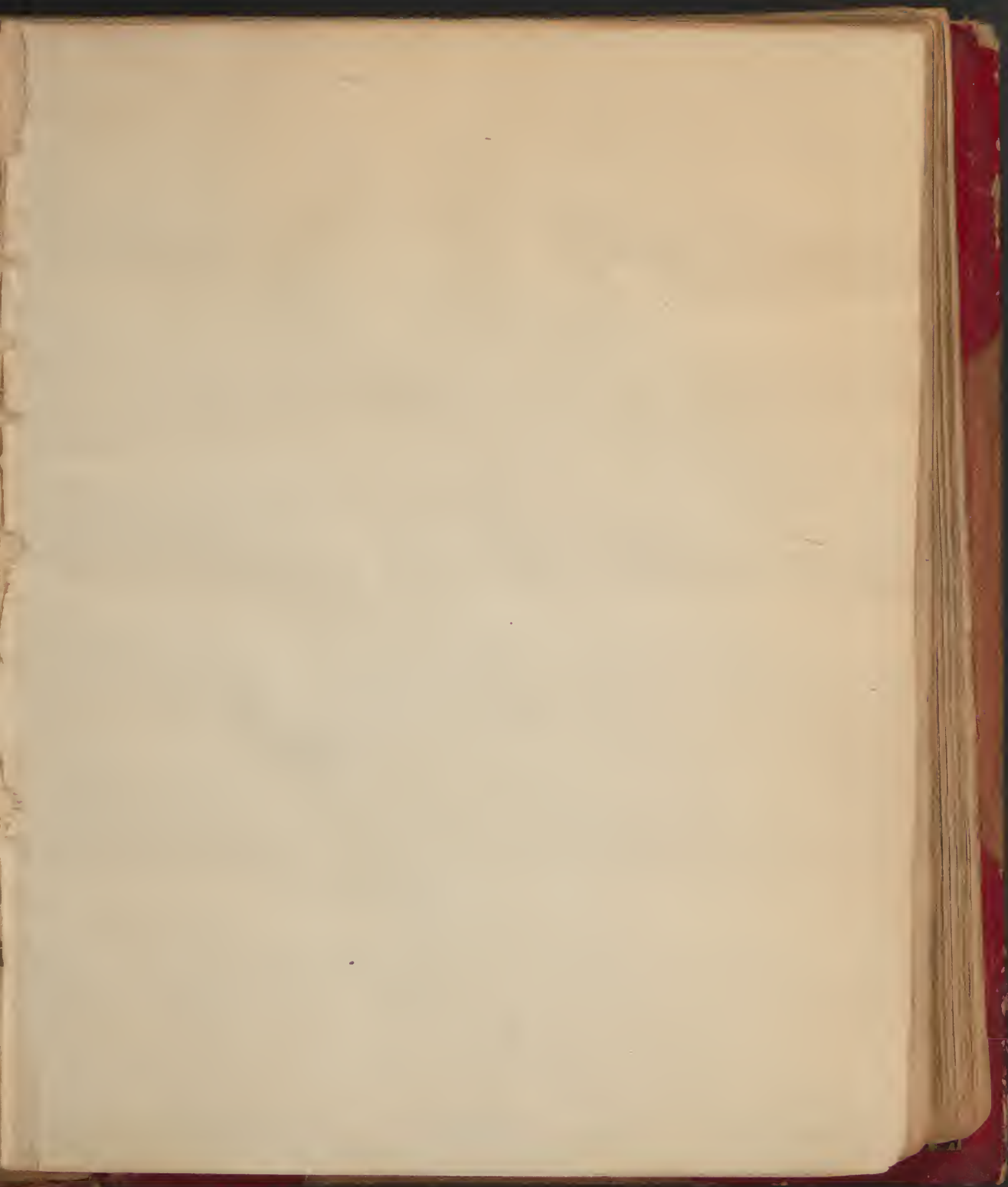




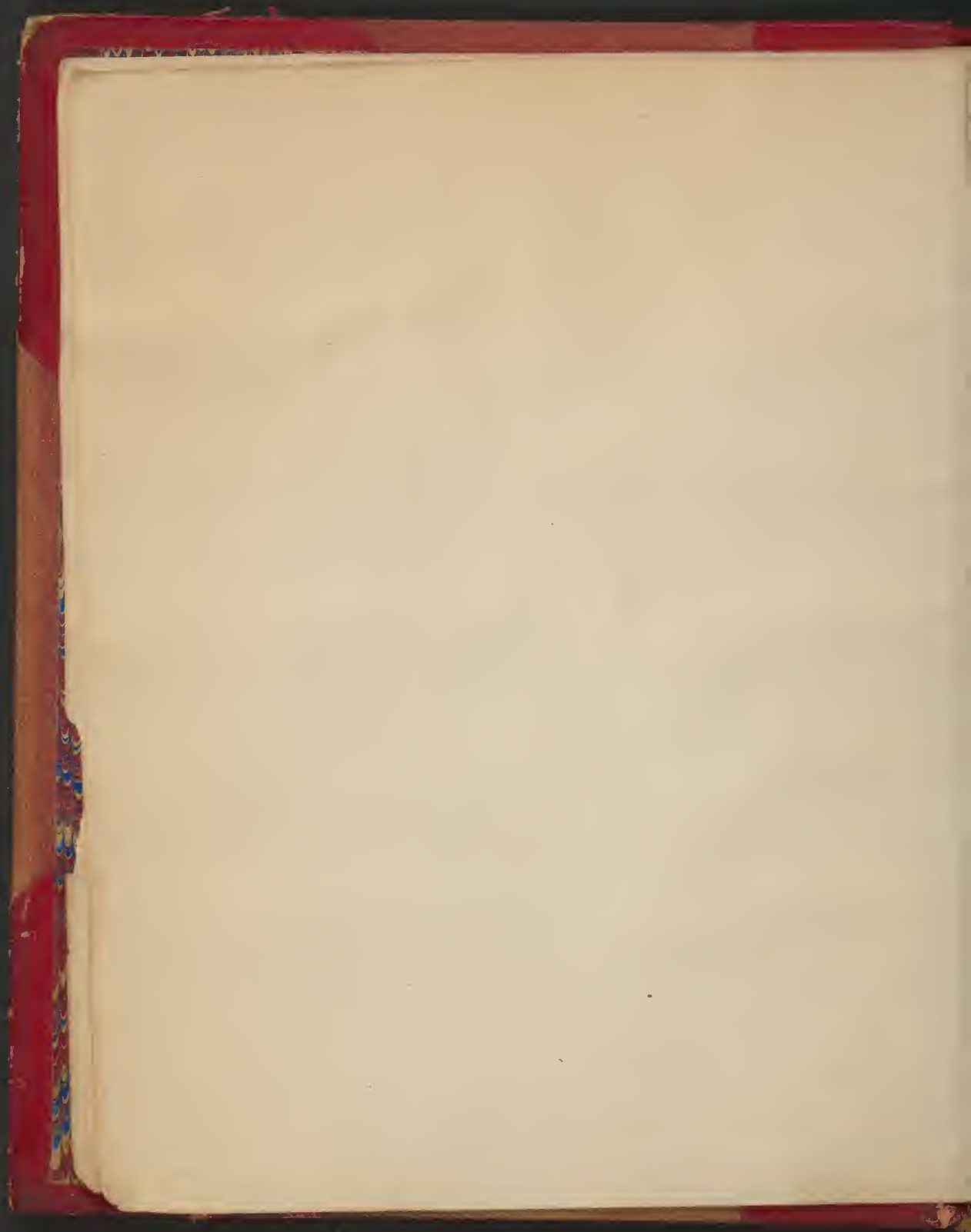




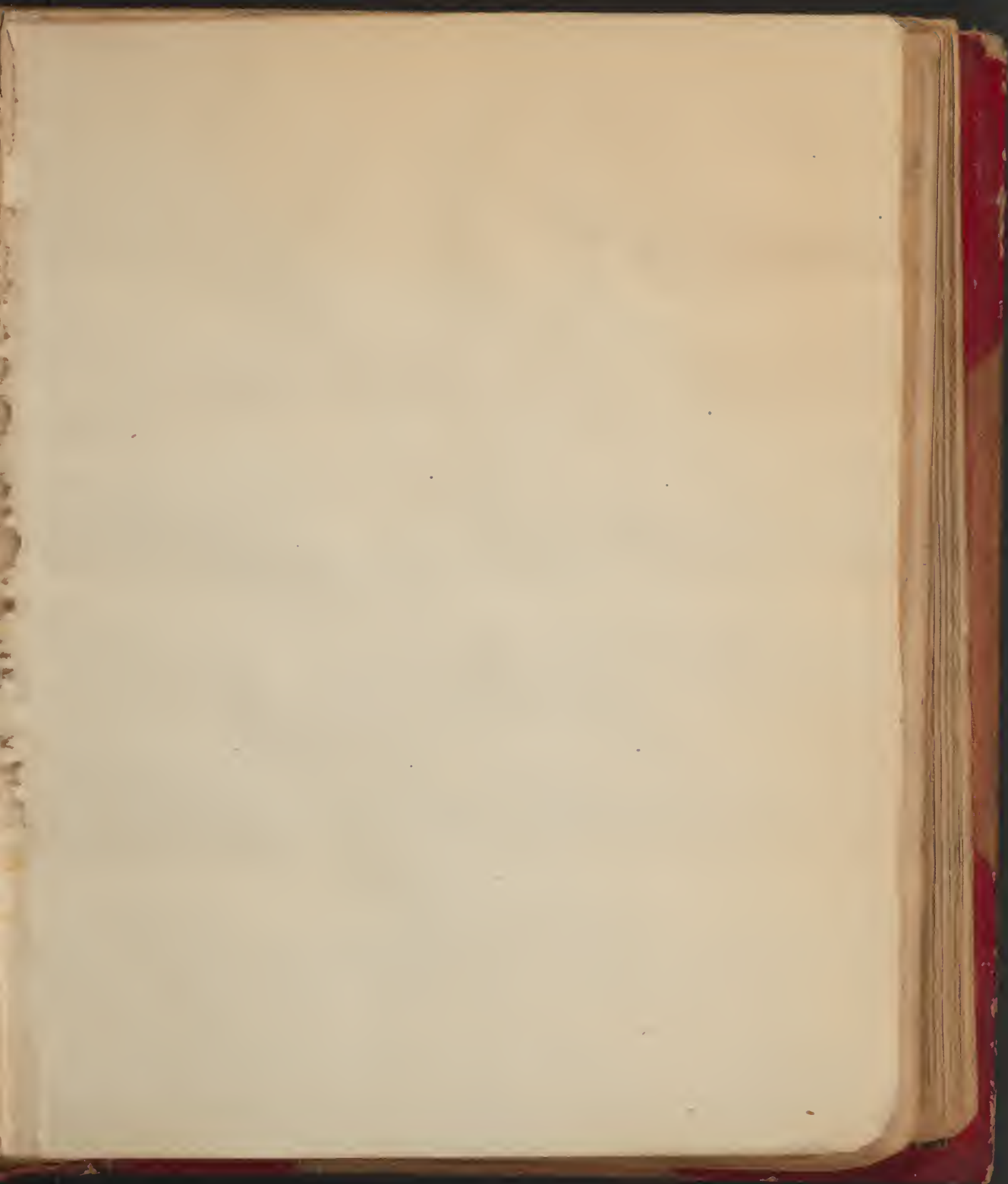




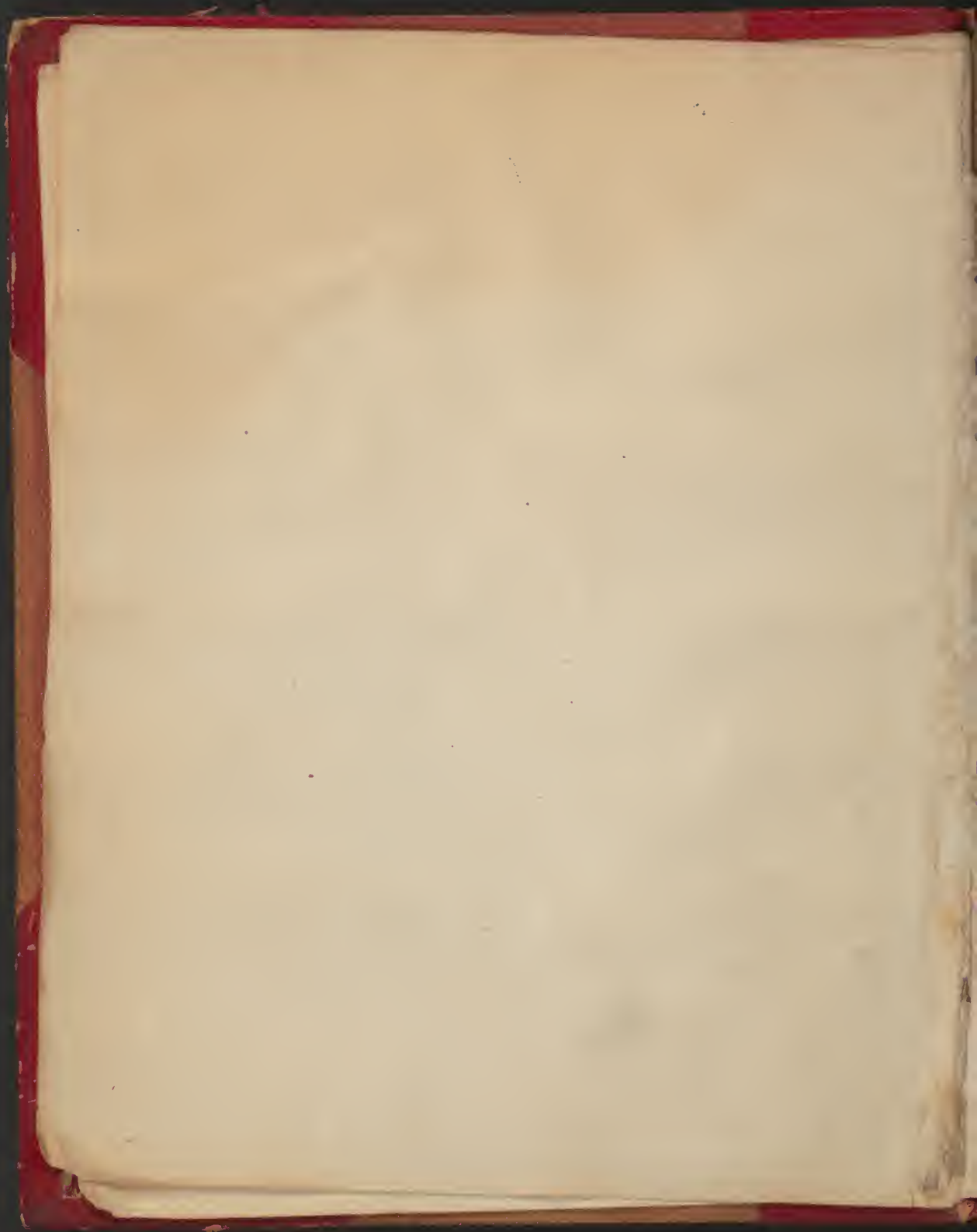






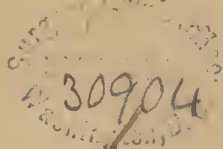




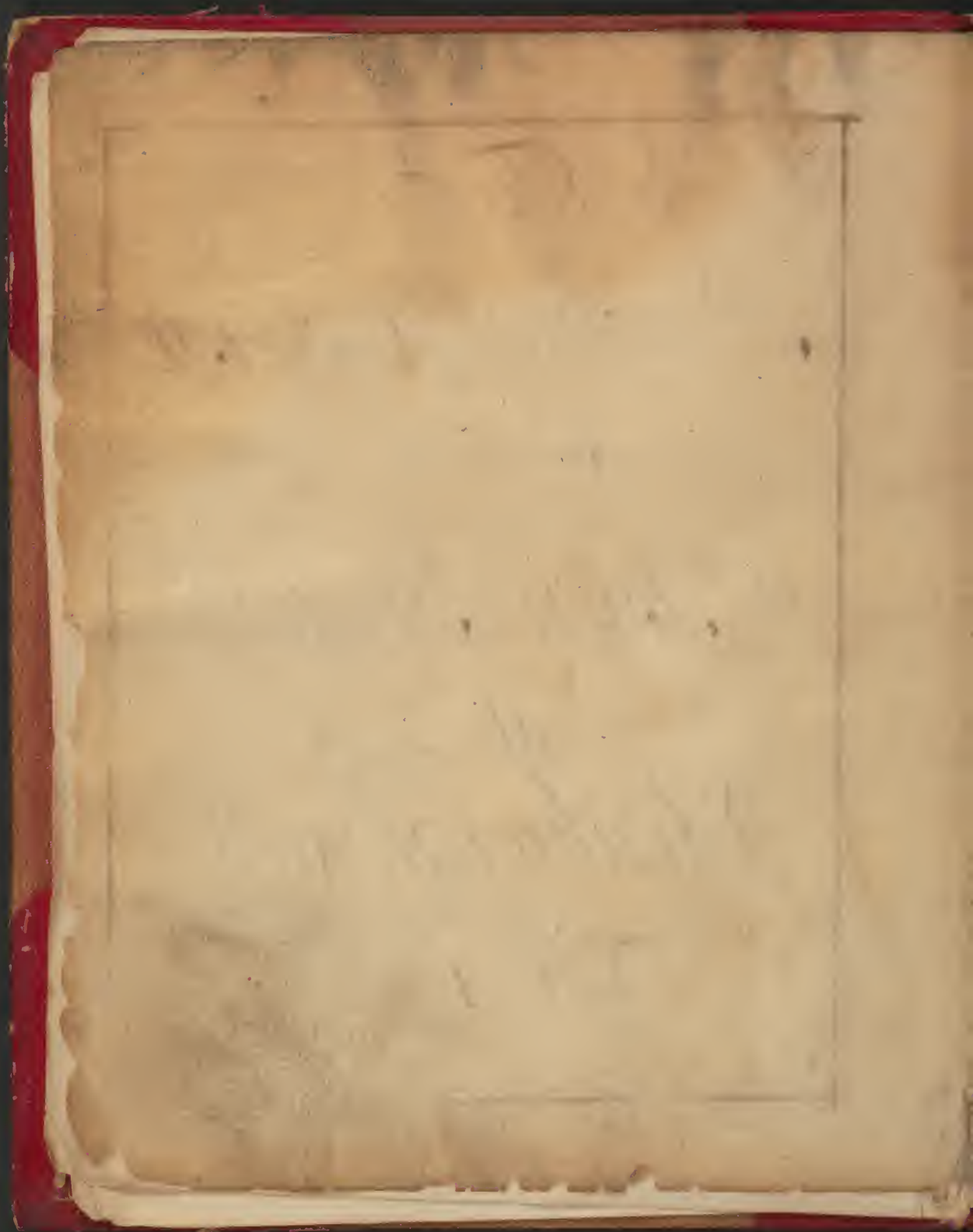




*The*  
*Practical Course*  
*delivered*  
*By*  
*Dr. John Gregory*  
*at*  
*Edinburgh 1769*  
*Vol. 1.*







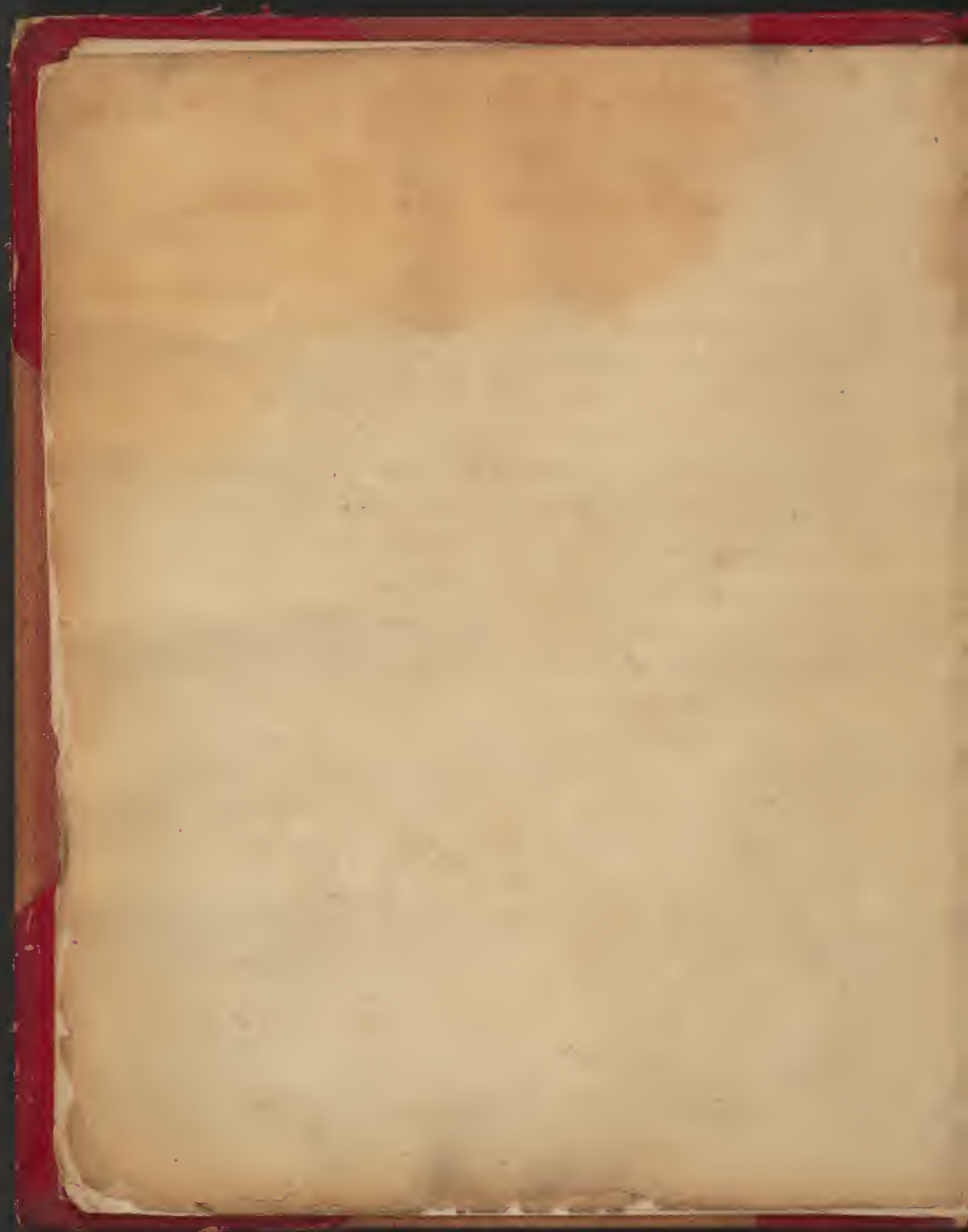


# The Practice of Physic.

Let it be supposed of my subject, as the human body, that of all the diseases which attend to the human body, and the proper method of curing them, but with the Pathology nor therapeutics come within my province. These 2 Branches belong to another Physician, and I must suppose them already known. It is necessary before I begin my treatise for I subject, to explain some <sup>external</sup> ~~external~~ <sup>causes</sup> ~~causes~~ of diseases and the general Principles I propose upon on the cure of them.

Every Animal has an ~~Acute~~ <sup>external</sup> ~~external~~ <sup>external</sup> and internal Structure of Parts and certain Functions Natural to its Species. When this Structure is in its Natural Condition and the Functions are performed with Regularity and Ease, that Animal is said to be in Health. Any Deviation from this Condition is Disease. A Disease therefore is shortly any Deviation of the human Constitution from this Condition or its Natural State. This Definition of Disease includes in it what ever is belonging to the Physician to cure. My reason for making the Definition so general is that I may include in it Deformities and total want of a part.





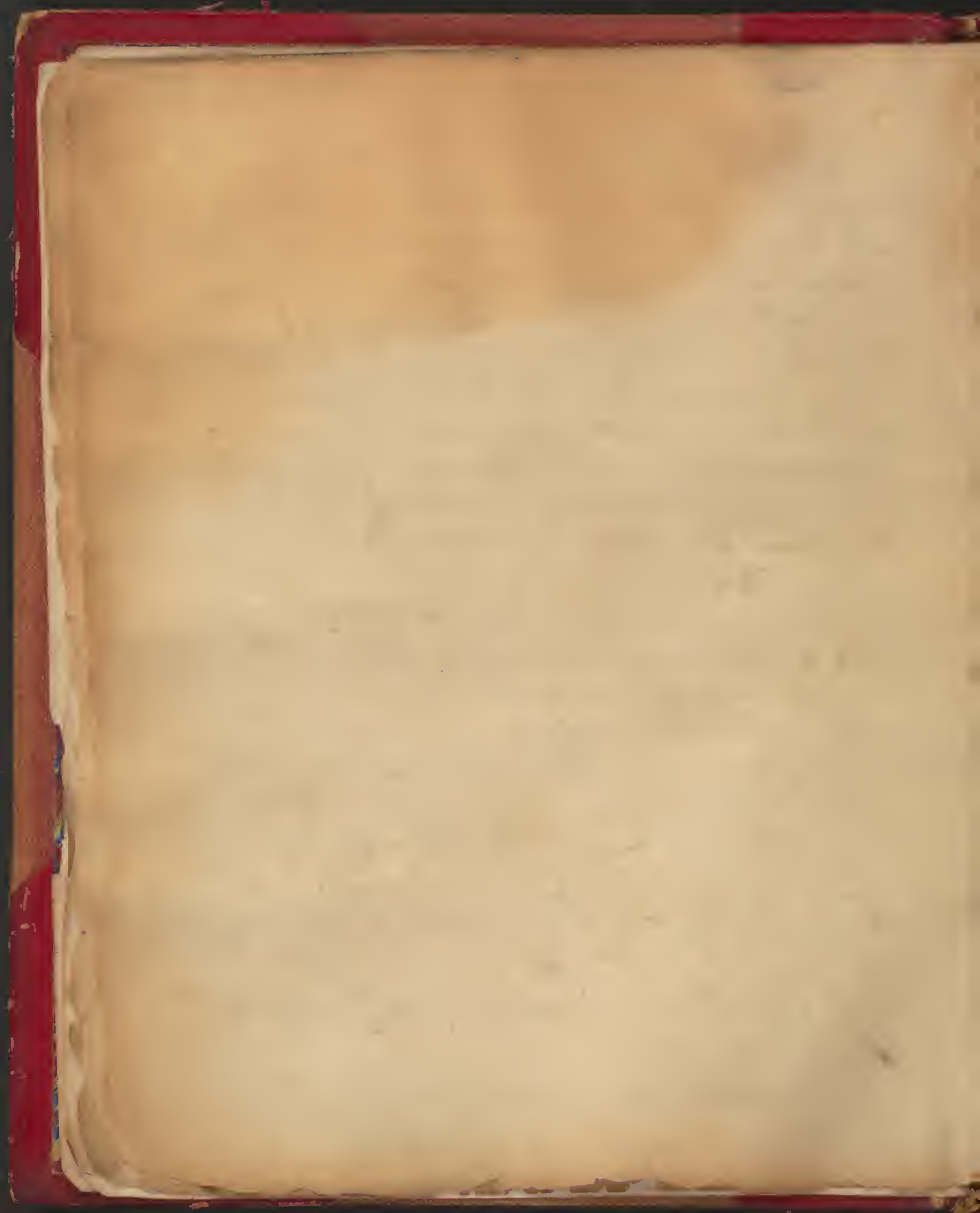


cannot be excluded as Dr. Hoffman does. In the  
 The taking in the proximate cause in the defini-  
 tion of a Disease I take to be improper. Dr.  
 Hoffman has done it. When a Disease  
 does not consist of any single morbid appearance  
 but of many unjoin'd, the concurrence of these  
 form the Disease, and each of them is call'd  
 a Symptom. The Definition of a Disease  
 should be taken from these, & from such only  
 as most generally accompany the Disease.  
 The Proximate Cause ought not to be taken in  
 as this creates disputes about the Definition  
 being to every Physician almost having  
 a different Notion of the Proximate Cause  
 than which nothing is more trifling.

There are some particular Cases however, in  
 which I think it necessary even in a Definition  
 to include the Cause, but these are where the  
 Cause is so perfectly evident as to create no  
 Difficulty or Disputes. As Cause  
 follows this method & is more full than most  
 other Authors. I shall generally follow his  
 Definitions.

Diseases are distinguished from their







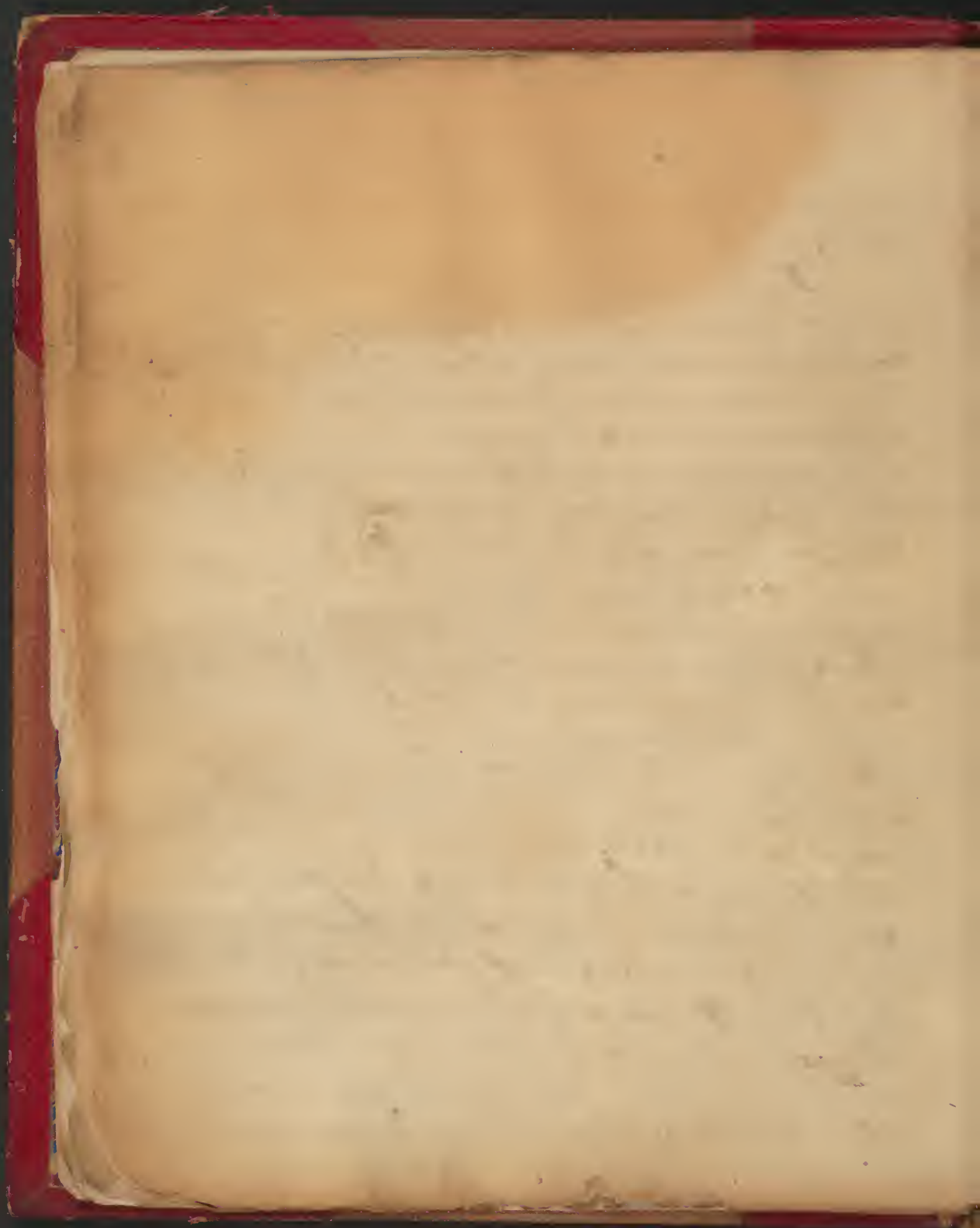
Origin, which is very great in some cases, and  
many Branches, and

**I.** Into those which are transmitted from Parents to their Children  
as Ph. Pulmon. Apoplexia, Madness, Gout, Scrophula; certain Cutaneous Diseases, and a  
very great Sensibility of the Nerves &c. &c.  
a Disposition to the confluent kind of Small  
Pox; but tho' this last is frequently the case  
there are numerous Exceptions to it.

These break out at different Periods of Life,  
some in childhood as the Scrophula particularly  
which seldom appears after the Age of Puberty  
and often disappears at that Period; a Venere  
of this kind does not strike all the Children of the  
same Parent Premoruously, some escape it  
altogether & it often passes a Generation with-  
out appearing in the Grand Children.

The Causes of these are very generally unknown  
and no more to be accounted for than the Similitu-  
dine of features and Disposition of Children to  
their Parents; some of them indeed depend on  
the particular Conformation of the Parts, as  
in the Apoplexy, Ph. Pulmonalis &c.  
It has been said that these diseases which ap-







appear at certain periods of life, are common to the child even at the time they are reported, and think there is little foundation for this.

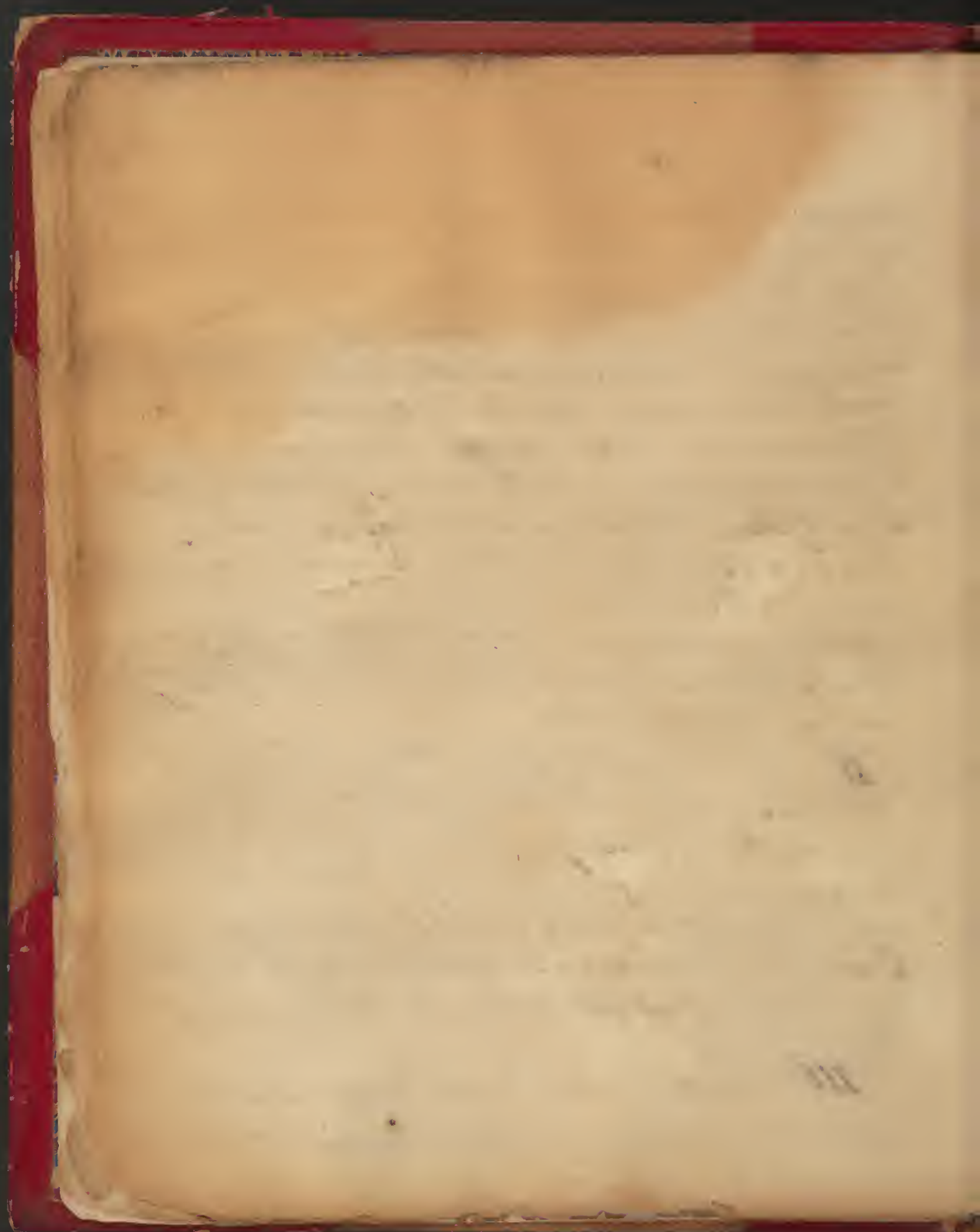
Hereditary Diseases are generally very difficult or impossible to cure; what we should be indebted to does to moderate the symptoms & also to prevent the Hereditary disposition being communicated to the patient's children, but even of this I know no Instances in Medicine; there is a Difference betwixt hereditary Diseases and Congenite or contracted in the womb without being at all communicated from the Part. Diseases distinguished from their Origin are also subdivided into,

**II.** Primary and Secondary; A Secondary Disease is that which depends on another Disease as the Primary. Thus in a Dropsy depending on a Rheumatic Liver, the latter is the Primary Disease & the former the Secondary.

Secondary Diseases invariably differ from the symptoms but the Distinction is not easily made.

**III.** They are divided into Diseases seizing great Numbers at once from a common Cause.







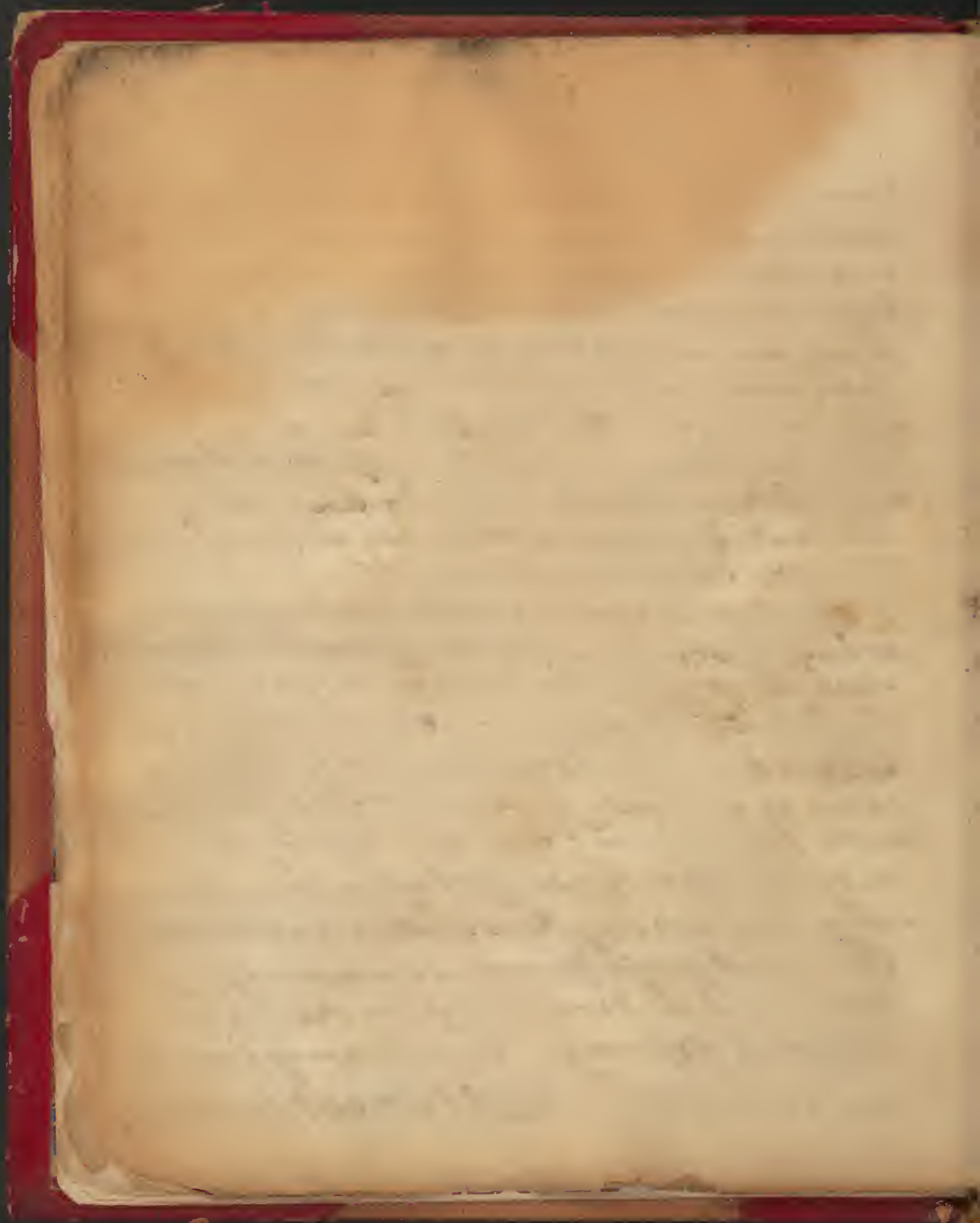
Cause some Diseases, which are even divided into Endemics and Epidemics.

Endemics are certain Diseases peculiar to the people of any Country arising from certain Circumstances of Climate and Situation, thus Intermittent fevers are endemic to all low marshy Countries, & the Phis. Pulmon. is so to Great Britain, owing principally to the great vicissitudes of Weather, which exposes the inhabitants to frequent Colds. On the Continent 'tis called *Tuberc. Anglica*.

Epidemics strike a great Number of people at once, from some general Cause, the Nature of which is often unknown, they are generally believed to depend on some Quality of the Air, tho' it's not sensible; but the Air may rather be accounted the Medium that transmits the Contagion. But sensible Qualities in the Air have great effect upon these Epidemics, in rendering them milder or more violent.

Thus most putrid Epidemics are carried off by Winter, and the Vernal ones checked by the approach of Spring. There is a very important Distinction betwixt Vernal & Autumnal



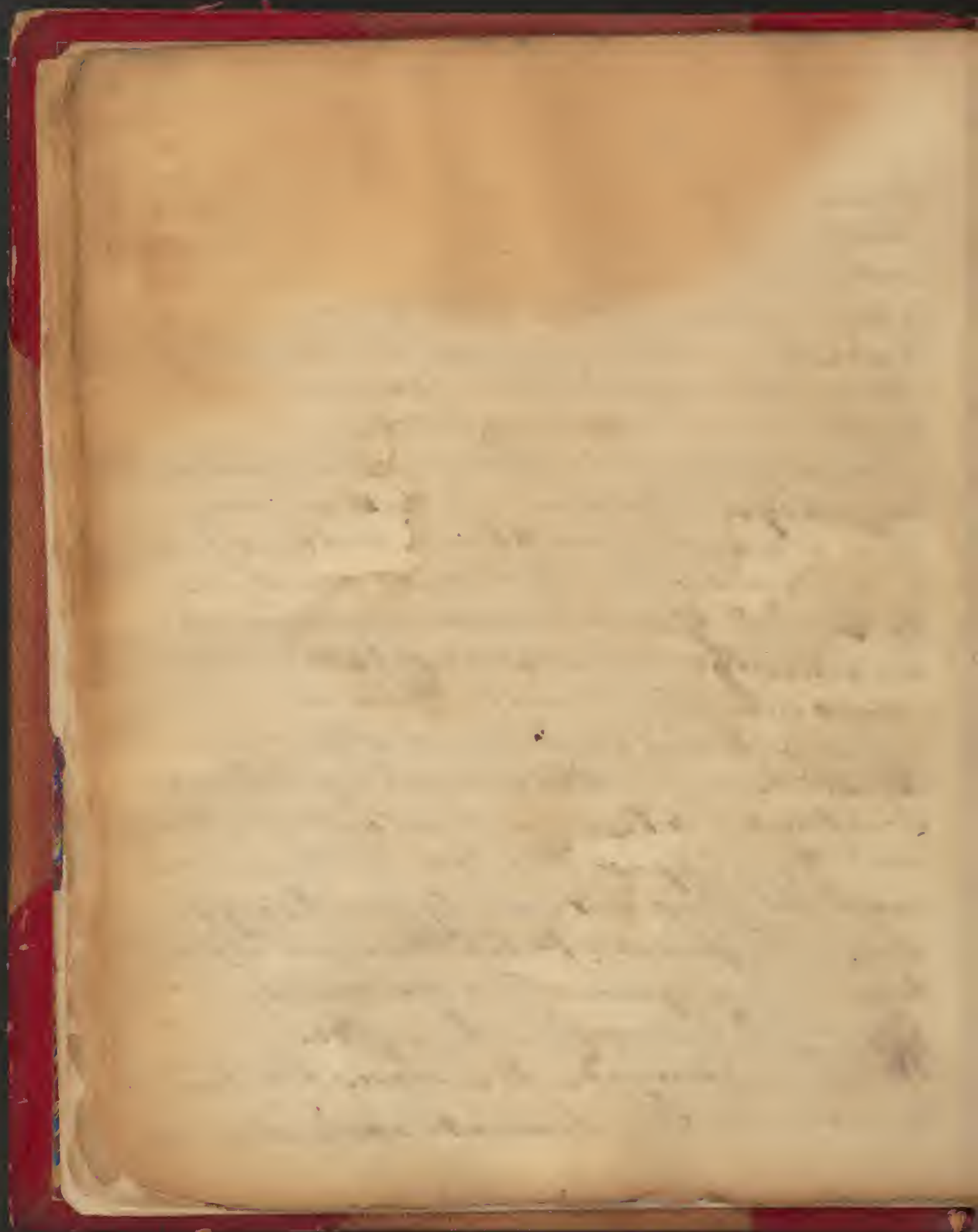




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Epidemics, however, are attended with an In-  
flammatory Disposition of the Blood & the other  
with a putrid. Epidemic Diseases have a  
great influence on the type of Sporadic Diseases  
prevailing at the same time viz. Dr. Sydenham  
Epidemics may act either in consequence of  
Contagion in the Air or an Infection propagated  
from one person to another, tho' this is not so  
ways easy to be known. In the second way  
there is great reason to think that the plague  
is communicated. Epidemics mostly belong  
to the Class of Acute Diseases as fevers, there  
are scarcely any Instances of Chronic Dis-  
eases being Epidemic. There are certain  
Circumstances in the course of Epidemic  
Acute Diseases that deserve a particular  
Treatment, which you'll see well illustrated  
in Dr. Sydenham's Practice. W. Friend makes  
very light of this, but entirely from Theory.  
Most of the Epidemic Putrid Diseases appear  
to act in consequence of an Assimulating  
Ferment, but move this here after.

IV. They are divided into Diseases peculiar  
to particular Temperaments and Constitutions



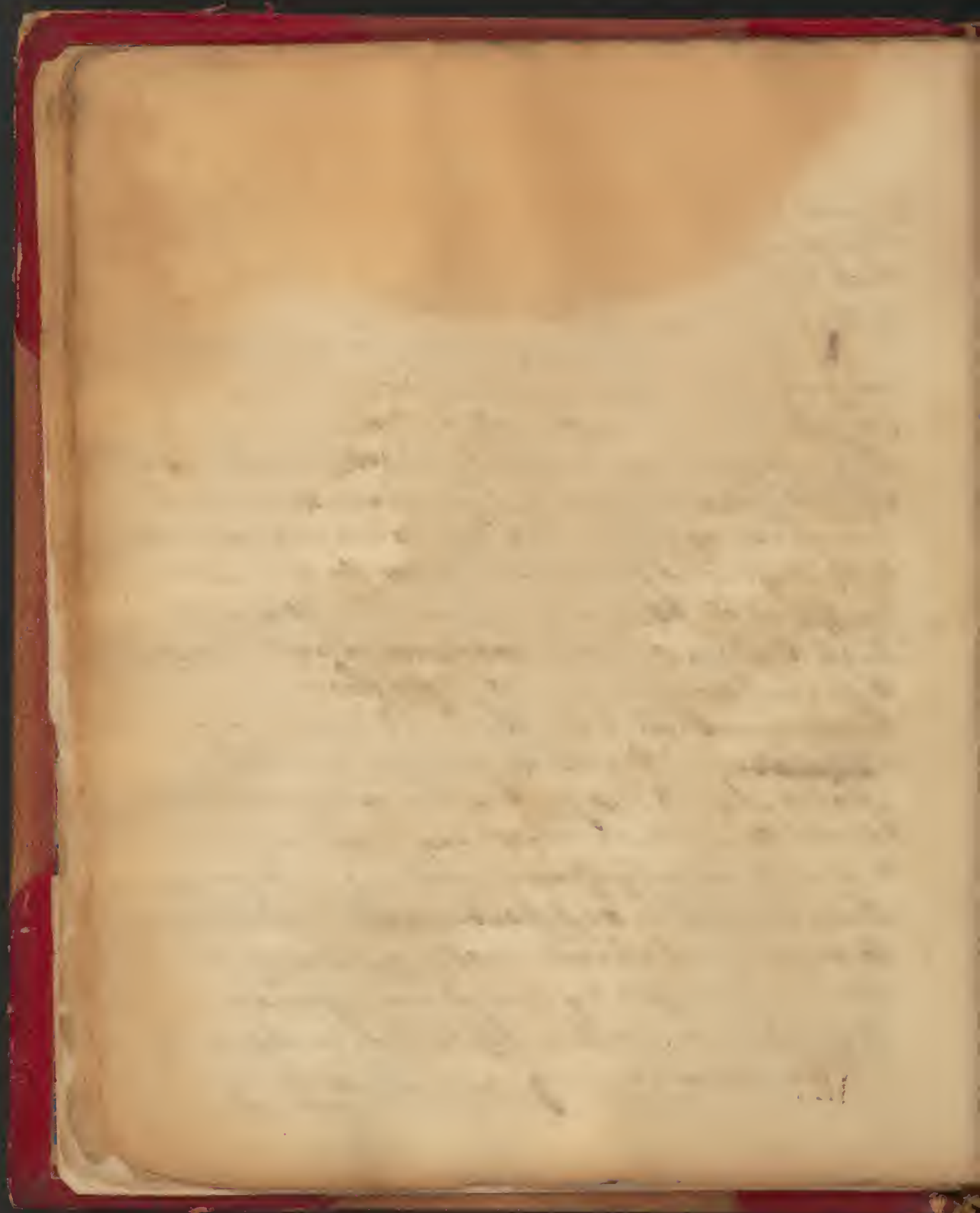




Constitute a new species of the Phlegmatic  
Phlegmatic Nations. They are those  
that have a more stable & more sensibility  
of the Nervous system.

V. Diseases peculiar to certain Sorts of  
ways of Life are an important Distinction  
see Galen's Pharmacopoeia de morbis & Ratiis  
These attack not only Ratiis, but several  
other different ways of Life have their peculiar  
Diseases; as studious people, Miners according  
to the different Metals they work. Luxurious  
people who have been used to eat & drink  
high tho' of a delicate make, require a very  
different management from those who have  
been accustomed to live low & on plain food  
& accustomed to much fatigue and labour.  
Habit should in a particular manner be at-  
tended to, in Acute Diseases, for a person used  
to drink largely of wine, falling into one of  
these cannot be supported with water Gravel  
to such wine should be allowed in a great Measure.  
We know people by habit eat a great deal of  
train oil in Northern Climates, without any  
the smallest Injury now should any one





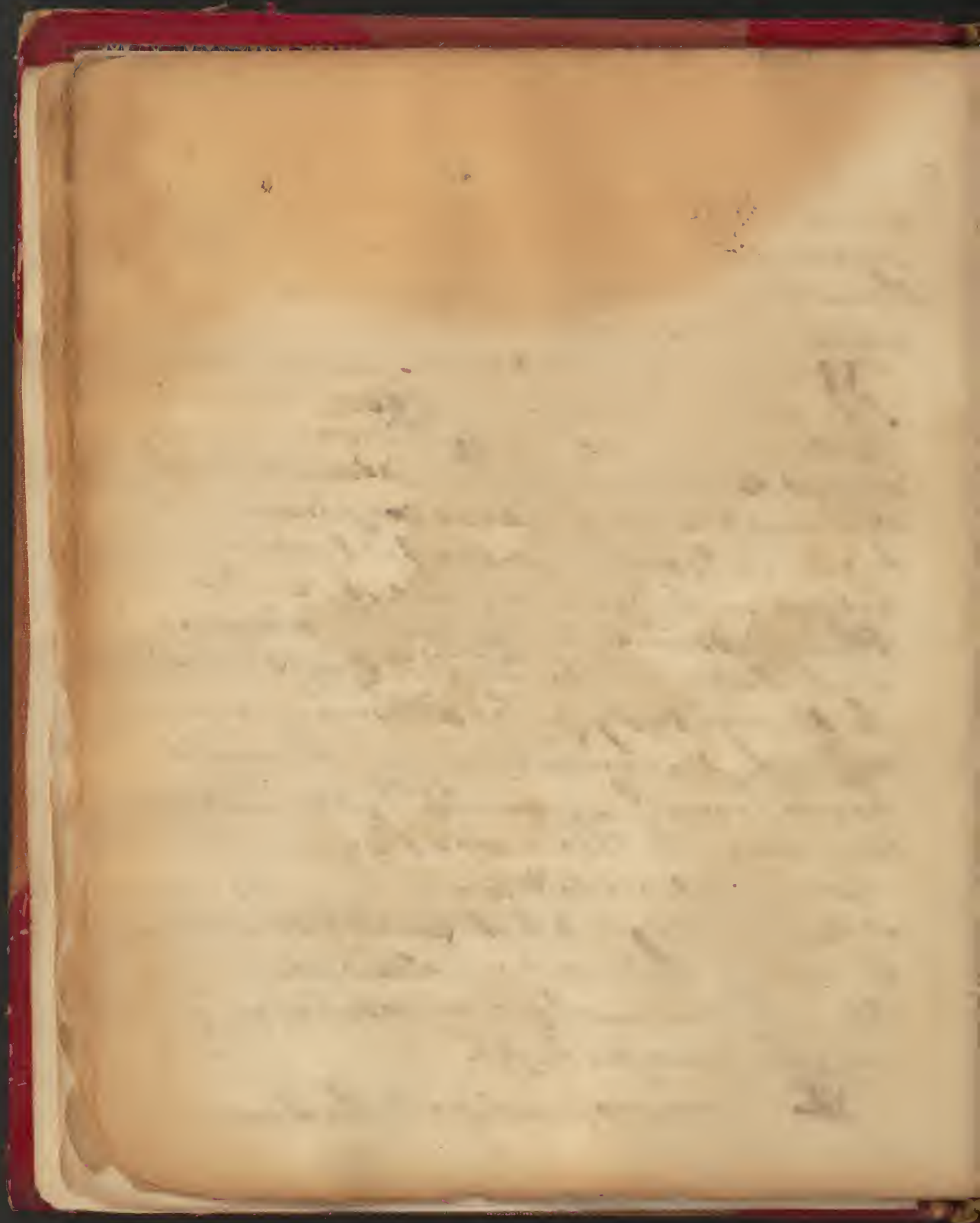


one who has not been used to it  
swallow this bit, it would be sufficient to  
throw him into a pique, so that great attention  
ought to be made to habit.

VI. Diseases peculiar to certain periods of  
Life, which Distinction is of considerable Im-  
portance in practice. Children are peculiarly  
subject to Diseases of the head, as to Epilepsy,  
stemming behind the ears & eruptions on the  
head. In Youth these morbid congestions  
happen in the Breast and produce Hemop.  
Pneum. Pulmonal. Asthmatic Disorders &c.  
In the Decline of Life morbid congestions in  
the Elementary canal are more frequent  
and in the abdominal viscera, whence Hæm-  
orrhages from the hemorrhoidal Vessels & the  
obstructions in the abdominal viscera. A Diar-  
rhoea is natural to Infancy, those who want  
it have a very ticklish Constitution & during  
the teething Children have also a great Sensi-  
tivity of the Nervous System, more than at  
any other time perhaps.

VII. Diseases peculiar to the Sexes, from



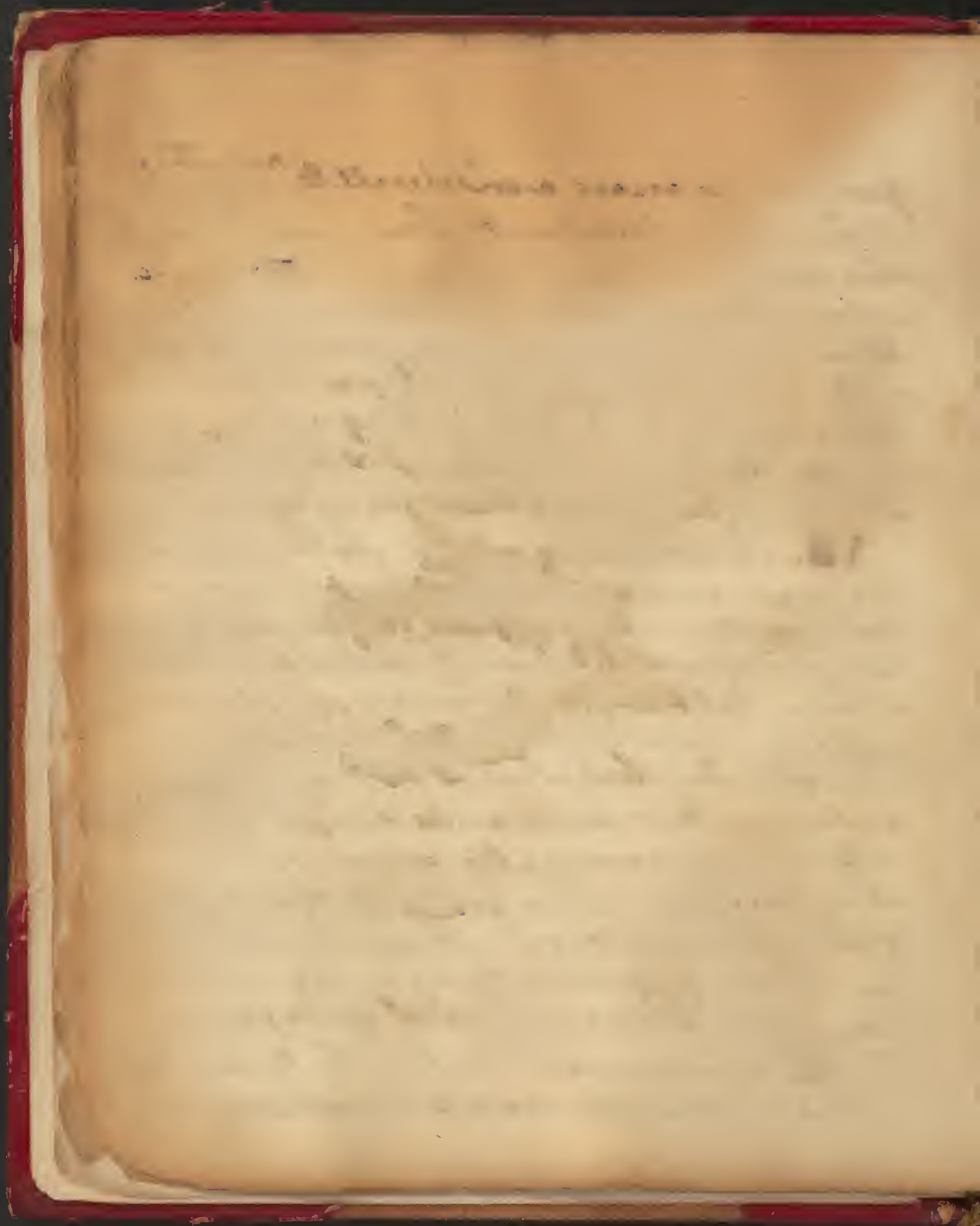




from whence arises a considerable variation in the method of treatment. Thus most females either proceed from an obstruction of the menses or from their too great quantity, or the flux or Albus which is a disease very common especially among women of Fashion. Differences also arise from the state of virginity, pregnancy, Lying in, Suckling and the coming on of the menses and their going off.

VIII. The last subdivision is into the contagious Disease or, such as the Plague, Eruptive Fevers and Dysentery which appear in general to be only communicated from those that are infected to those that are well; some are only propagated by immediate contact as the itch, &c. It is observed that almost no Diseases are contagious but Auto ones except those only that are propagated by contact. It is also observed in general, that the less of the Inflammatory Diathesis they have they are the more contagious & vice versa, And the more putrid they are the more contagious but this is no certain Rule. The contagious Diseases of one species of Animals are gene







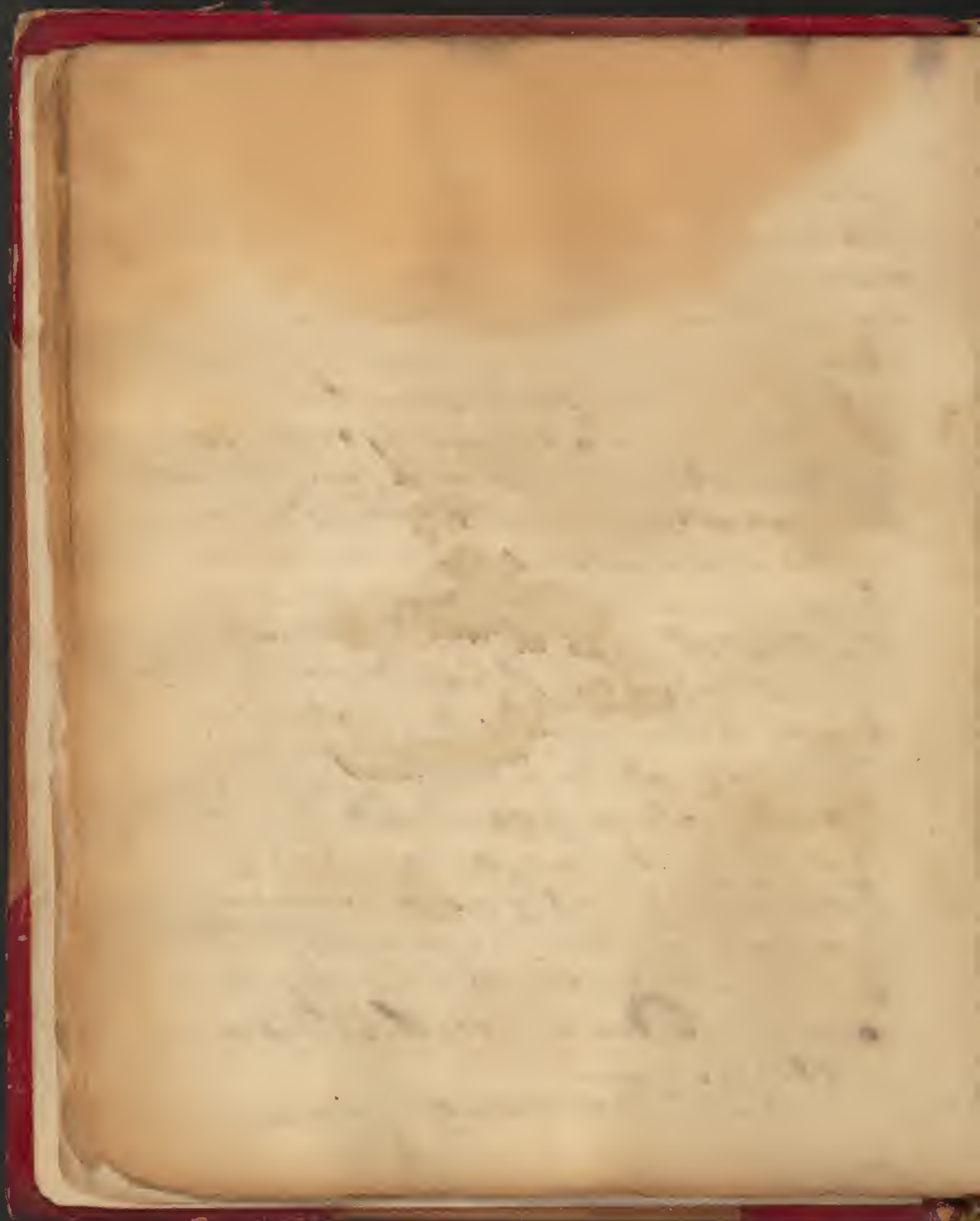
generally not contagious to different species of Animals. The same reason has been observed that a similar contagion has prevailed among the other species of Animals at the same time.

Putrid Diseases acquire their greatest virulence by crowding many sick people together where there is not a free circulation of Air, as in Goals, Hospital-ships & Hospitals, and I am persuaded it would tend to save the lives of numbers were there no hospitals or Hospital-ships in the Army & Navy. It is difficult to say whether all contagious Diseases can be reduced to certain classes.

They have all been comprehended under Exanthematous, Catarrhals & Dysenteric. But I have known Instances of Inflammatory Diseases widely contagious as of the Eyes ~~but~~ and there are several Nervous Infectious Diseases that in my opinion cannot be reduced under these Diseases or classes.

The 2<sup>d</sup> Division of Diseases is from







is from their seat. And the same may be said of the

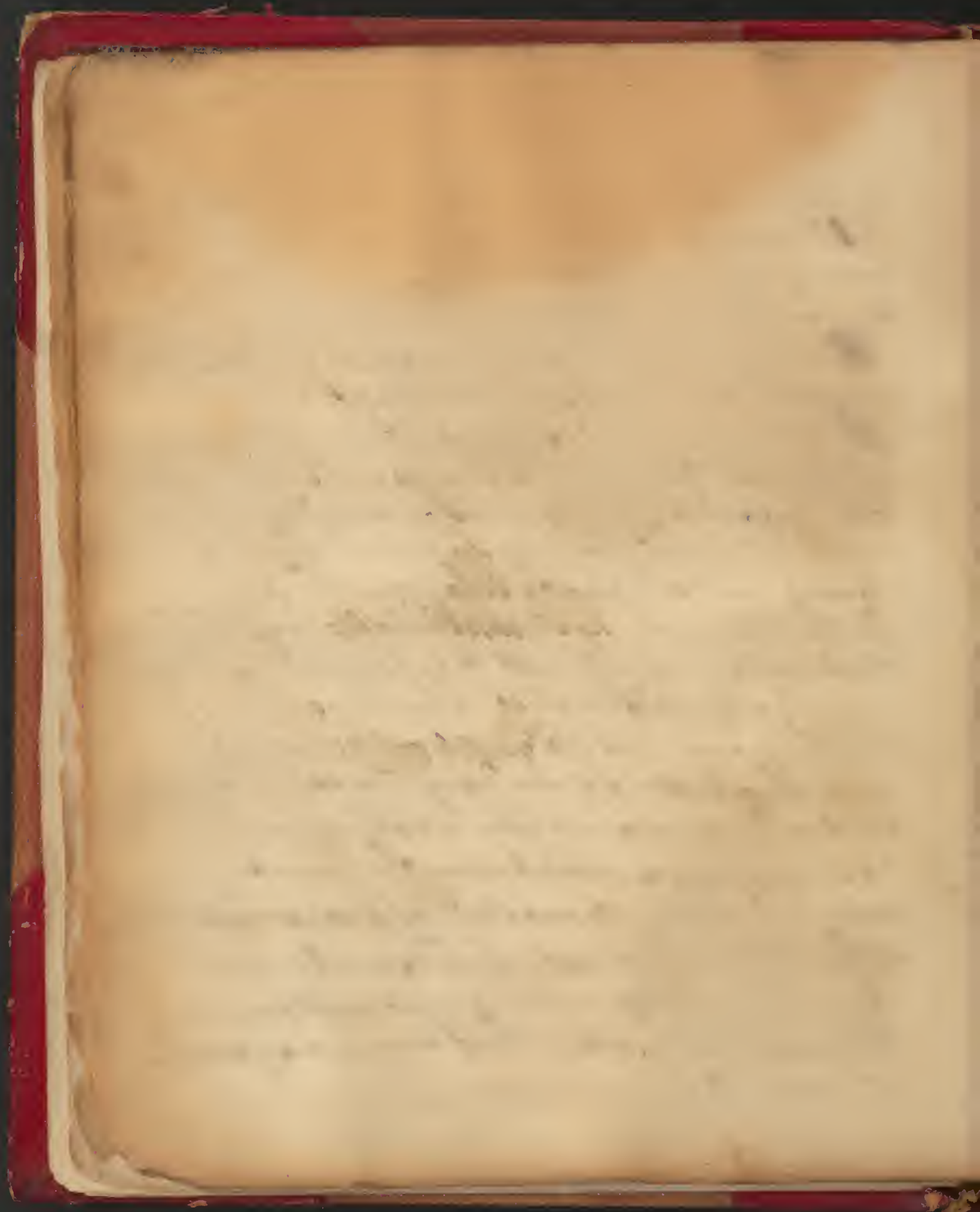
I.<sup>st</sup> Into *Essential* or *Idiosyncratic*. This Division is very vague and of little consequence. In Practice except in some few particular cases.

II.<sup>d</sup> Into *fixed* or *wandering* as in certain species of the Rheumatism and Gout.

III.<sup>d</sup> Into *Idiopathic* or *Sympathic*. The first is when the Cause of the Disease subsists in the Place affected and *Sympathic* or *Symptomatic* when it is not fixed in the place affected.

thus a Headach and Vertigo from the Cause being in the Stomach is *Symptomatic*; but this Distinction is difficult to establish; a Disease merely *Symptomatic* should go along with the Primary; but if Symptoms remain after it is then called a *Secondary Disease*; as when an Ascites remains after a Schirrus Liver has been cured, which was the primary Disease. *Symptomatic* Appearances are either *Critical* or not. thus *Dysentery* in Fevers are often *Critical* for instance, and this is a Distinction that deserves particular Attention and notice.







1<sup>st</sup>. It has been very early imagined that the  
 2. *sympathy* between the organs is caused  
 by the connection of the nerves, and a connection  
 that one of them being affected or rendered diseased  
 another part of the body at a distance becomes  
 likewise affected. This has been supposed from  
 the communication of nerves with one another  
 but this very evidently cannot be always the case  
 This has been called *sympathy of nerves*; which  
 Term is used to explain a fact not the cause of  
 that fact may be as proper as any other.

**V.** Into Universal or such as affect the whole system  
 and Local or such as affect particular places.

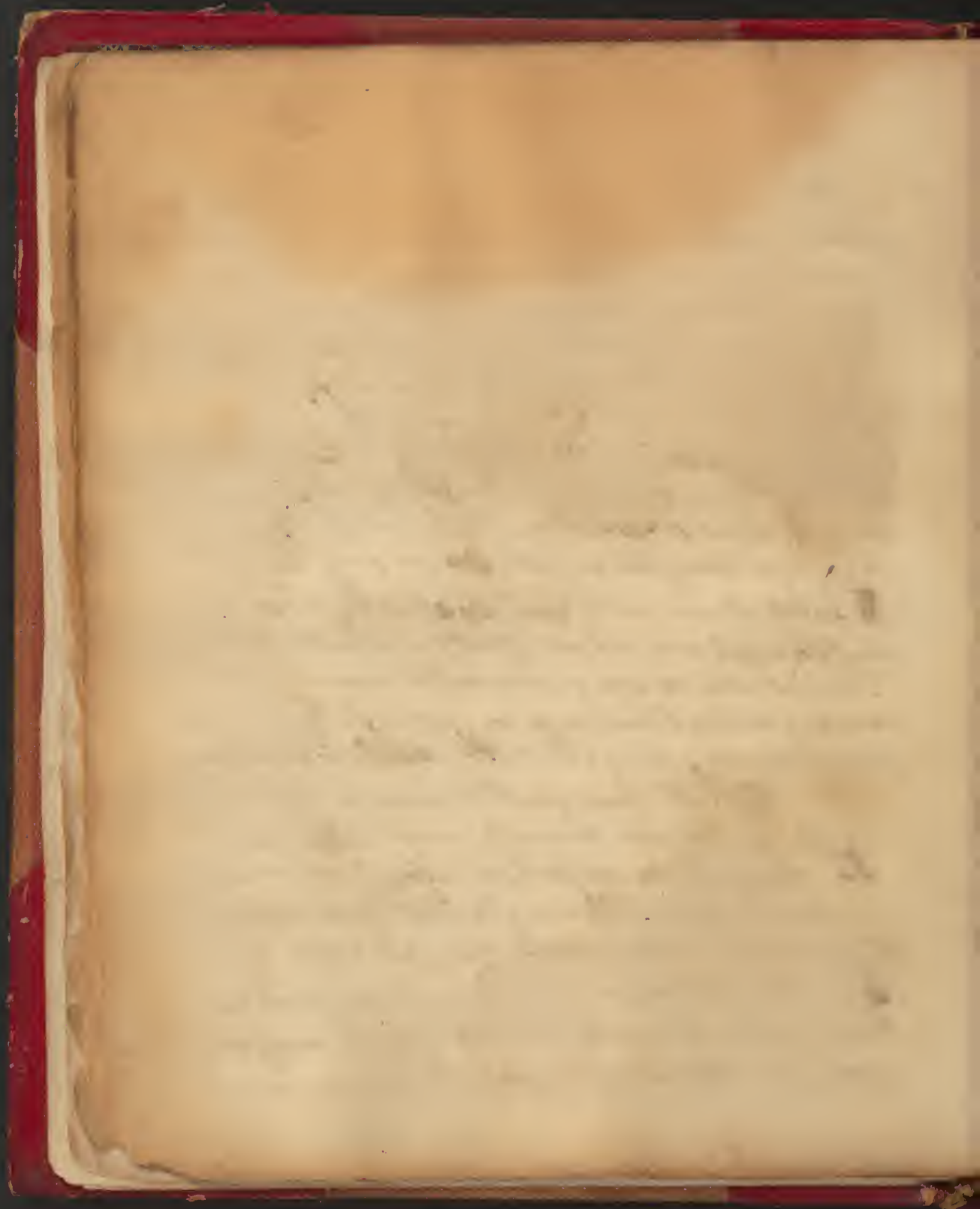
Thus *Fever* is an universal Disease properly  
 so called but a *Plurisy* is improperly so called  
 because it is attended with local Inflammation.

The 3<sup>d</sup> General Division of Diseases  
 is according to their course; subdivided

**I.** Into those of short and long continuance  
 or *chronical*; if those of short continuance are  
 severe and dangerous they are called *Acute*.

**II.** Into continued or *intermittent*, and another  
 kind called *remittent*. all which may very  
 easily be illustrated from *Fever* as is well







well known. The former when the fever is the most is called the exacerbation. The latter Intermittents the period of remission.

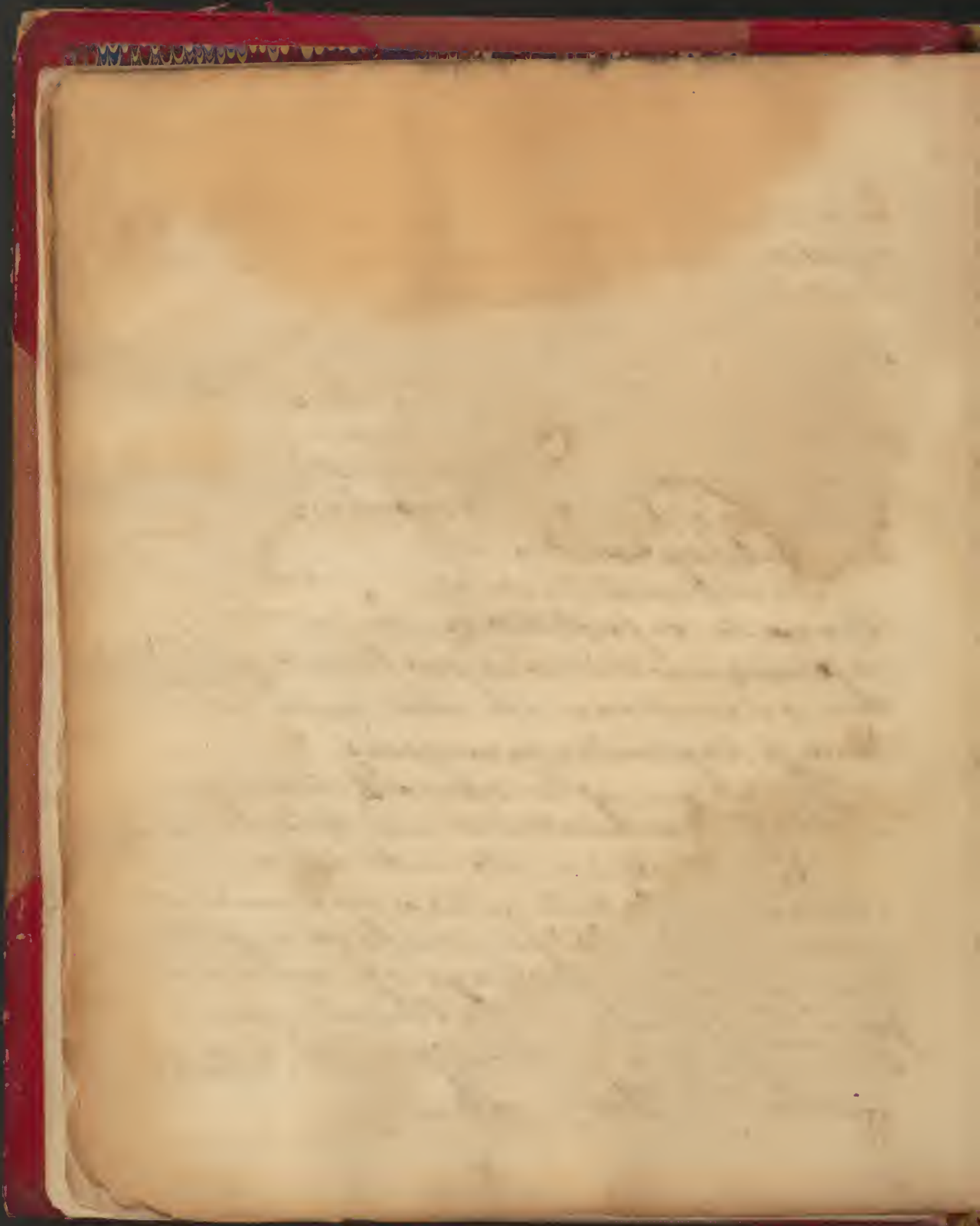
Intermittents and Remittents are also Regular or Anomalous; when they return at certain regular periods they are called Periodicall. The Periodicall Diseases are mostly fevers, evacuations and nervous Disorders. Examples of these are Hemorrhages, Intermitts and Epilepsy and Madness.

The Different Parts of a Disease are the Invasion, or first attack, the Augment, the state or acumen and the Decline. in Periodicall fevers there are sometimes to the whole course some times to particular paroxysms.

The 2<sup>d</sup> General Division of Diseases is taken from their Nature and Genus.

1<sup>st</sup> Subdivision into mild and severe. Instances of the mild we have in some slight Epidemic Catarrhal fevers which keep the patient but for a few Days and seldom require the assistance of a Physician. Severity is to be judged of from the whole Concurrence of the symptoms.







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**II.** Into *Irregular Diseases* which were heretofore extremely rare, it has been most generally used in the three following kinds.

1. Diseases beginning with benign mild symptoms and suddenly without any sensible cause turning violent.

2. Diseases attended with unusual severity for that Disease.

3. Diseases proving very obstinate & refractory to all remedies.

The Cases it is most commonly applied to now are very dangerous fevers of the Putrid kind, as the Typhoid & Hospital Fever, Gangrenous sore throat.

**III.** Into *Regular Diseases* sometimes called *Quintessence*, &c. when the symptoms are regular & the Periods natural. There are some Diseases when the symptoms are unusual to such a one which are called *Anomalous*, and are very often occasioned by two different Diseases meeting in the same person, as in persons subject to Nervous Complaints mixed with a fever & worms too are often the cause of these anomalous symptoms.

**IV** Another Subdivision is into Diseases



Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is arranged in several paragraphs, with some lines indented. There are some large, decorative initials or flourishes interspersed within the text. The ink is dark and the paper is aged and slightly discolored.



Diseases that are active and violent & this is of great consequence to the patient.

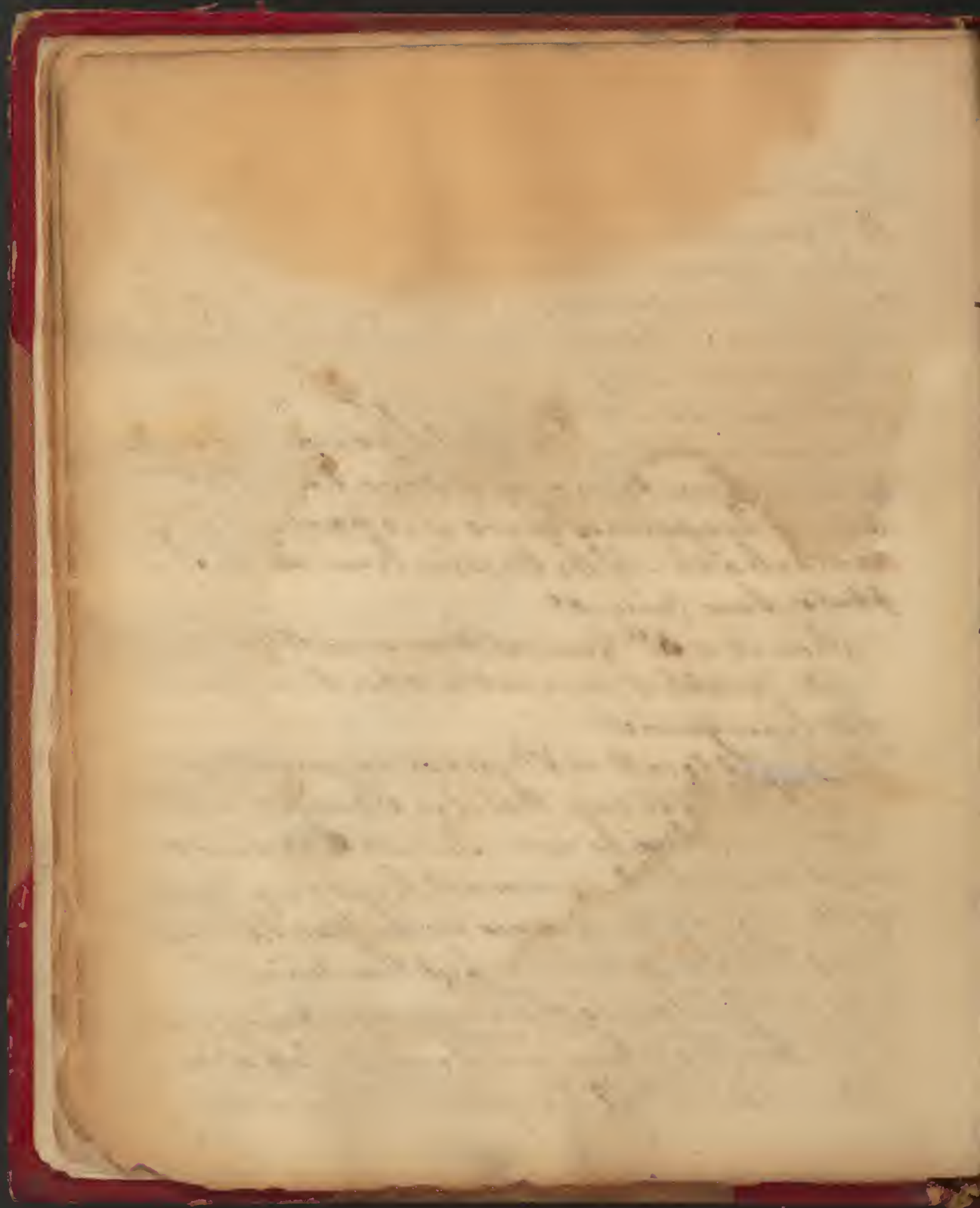
Active Diseases are such where there is a sensible Effort made by Nature for the Relief of the Patient. Passive where Nature makes no Effort for her Relief.

In Common Inflammatory Fevers Nature generally makes an Effort by some Evacuation as Diarrhoea, bleeding of Nose & sweat &c. And in Eruptive Fevers it is particularly remarkable. Of the Pustular kind are the Erysipela, Sues, Cancer &c.

There is a 5<sup>th</sup> General Division of Diseases into Curable & incurable, which is Main & of ill consequence.

We ought to call no Disease incurable, we ought rather to say, that it is a Disease we do not know how to cure. Indeed there are some Diseases which we cannot have any hopes of curing, as Gangrenes in the Stomach with great loss of Substance, but there have been severall Instances of Gangrenes being cured tho' there has been considerable loss of Substance, and after Gangrene goes a certain







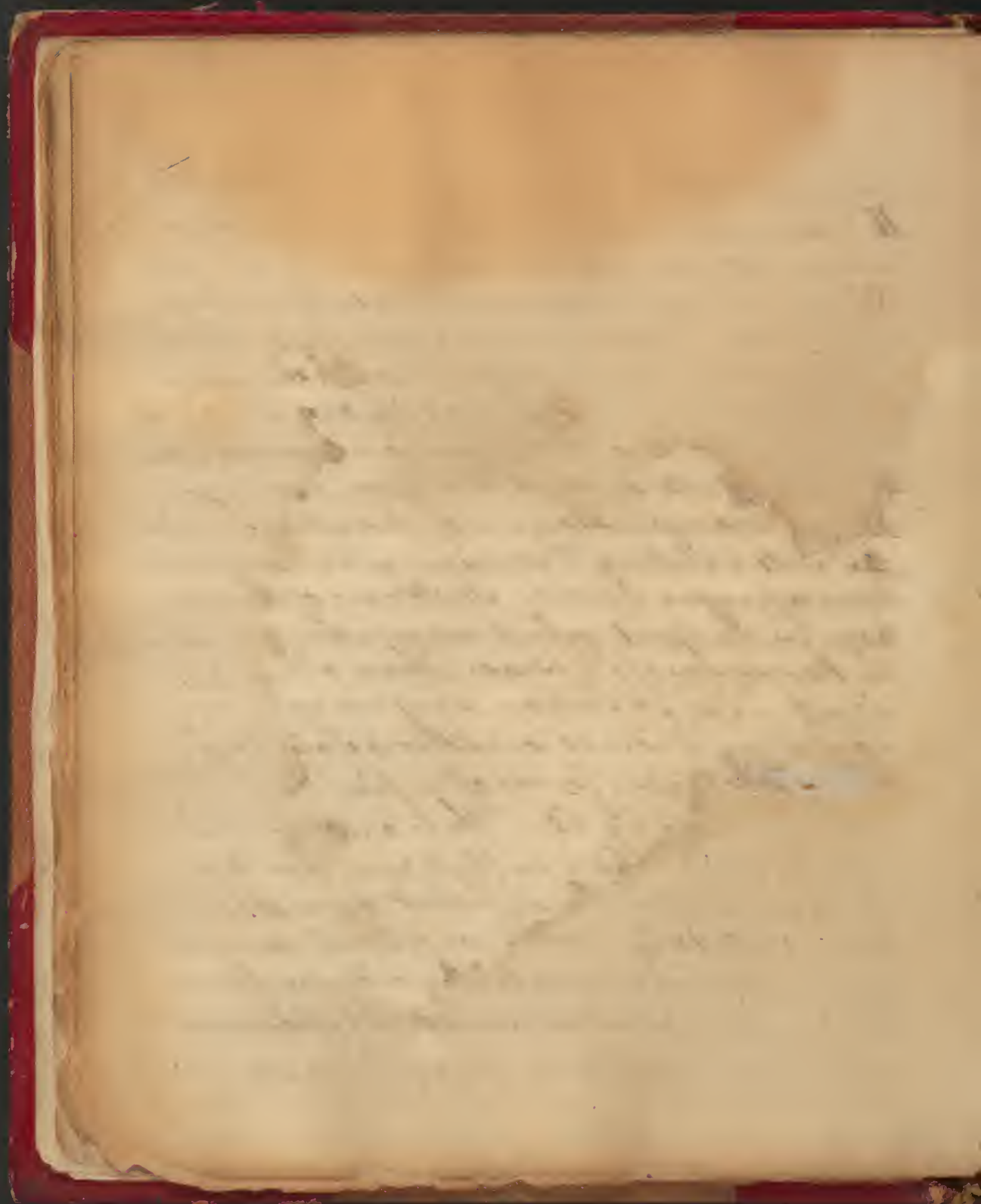
certain length. *Instances of recovery*

**II<sup>d</sup>** Subdivision is into those Diseases that return but once in a man's life. Instances of this we have in the measles & small Pox, the one or the other, and 'tis said that those who have once had the Pox will never be infected with it again.

It has been observed that the small Pox have returned again, or that a person has had them twice, but it's very rare, & I am not certain if there be any Instances of it well watched.

1. Into Salutary Diseases, or Diseases which have a proper Crisis. Instances of this we have in the Gout, which may rather be reckoned the Paroxysm of a Disease, than a Disease itself. And A Tertian Ague may be reckoned a salutary Disease or rather a Salutary Crisis of a Disease, for we often find Obstructed Viscera cured by it. There are some evacuations as Diarrhoea in Children, and Common Inflammatory Fevers that are certainly salutary. And we find it very dangerous to stop accustomed evacuations as Cough in old Phlegmatic People by which they daily expectorate great Quantities of tough







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it though it need not be attended with  
the Fever at certain times, as a salutary,  
ought not to be mediated with.

**W.** Subdivision is into critical Diseases  
and those that have no particular Crisis  
critical Diseases are those which have a  
particular termination or Crisis whether  
favourable or not, tho' most commonly those  
which have a favourable Crisis.

Thus Inflammatory and continued Fevers  
have commonly a Crisis by evacuations  
as Sweat, Bleeding at the Nose, and some  
times Inflammations are terminated by  
a translocation of the Matter from the Inter-  
nal to the External Parts which trans-  
location is called Metastasis & this Matter  
then forming Abscesses. These Crises have  
been said to happen on certain Days here  
called critical, but this has been of late  
looked on as Chimerical, tho' there really is  
an innate foundation for such periods  
as we might almost conclude a priori  
For we see most Substances have particular  
determined Periods of time, for their duration



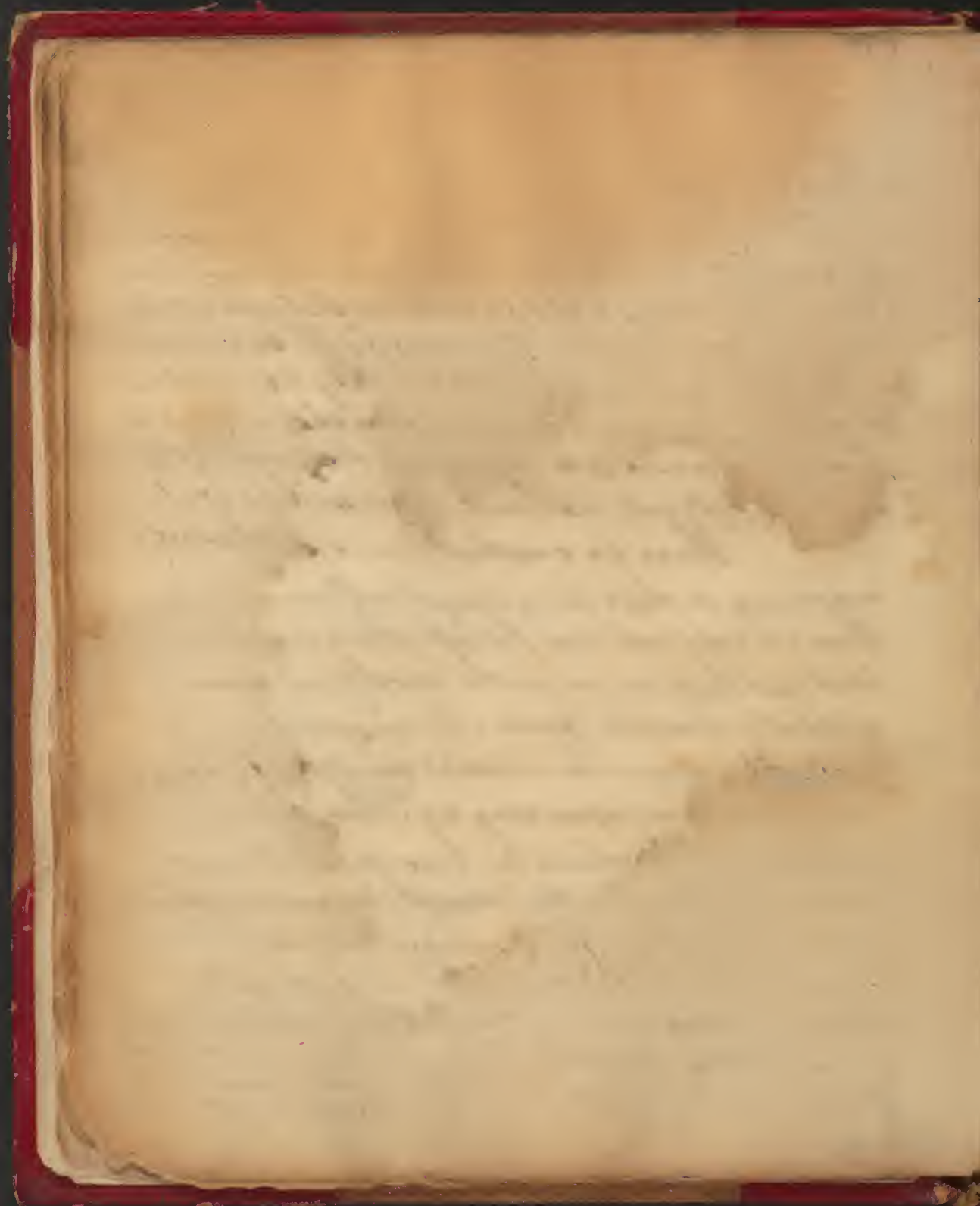




alterations as we see in the Disturbances  
 of the Fermentation of liquors, however  
 many circumstances may vary the extent,  
 and there may be a season assigned for the  
 variation of critical Days here, because  
 of the Alteration of Climate. They are not so  
 regular here as in more Southern Climates,  
 hence the reason why these Days Hippoc-  
 ratic & critical are not observed here.

There is another Division of Diseases  
 according to their occasional or Proximate cause.  
 There is no doubt that the last of this would be the  
 best, but then we are for the most part Ignorant  
 of this Proximate Cause. The order that is most  
 natural is from the external symptoms, which  
 was never done upon any regular Plan till the time  
 of Sauvage, for which he has great Merit  
 But even his Method must labour under  
 many Defects since I imagine it impossible  
 by it to have a complete Arrangement.  
 Sauvage gives an Artificial Arrangement of Diseases  
 as in Botany Plants are ordered. But the View  
 I have is Different from this and so the following







The Plan for more effectually curing Diseases  
is to throw them together that resemble each other  
most in their Nature & Symptoms. by which Method I hope  
this will be the most useful one. I mean by comparing  
stood will throw light on another that resembles  
it in most Respects. Cawage's Plan is different  
from mine & has Advantages which mine has not  
but then mine has several over his. & as I  
don't want to make him my Text I will follow  
my own method. No System but has its partic-  
ular Advantages & Inconveniences & I don't pro-  
pose this as a perfect one

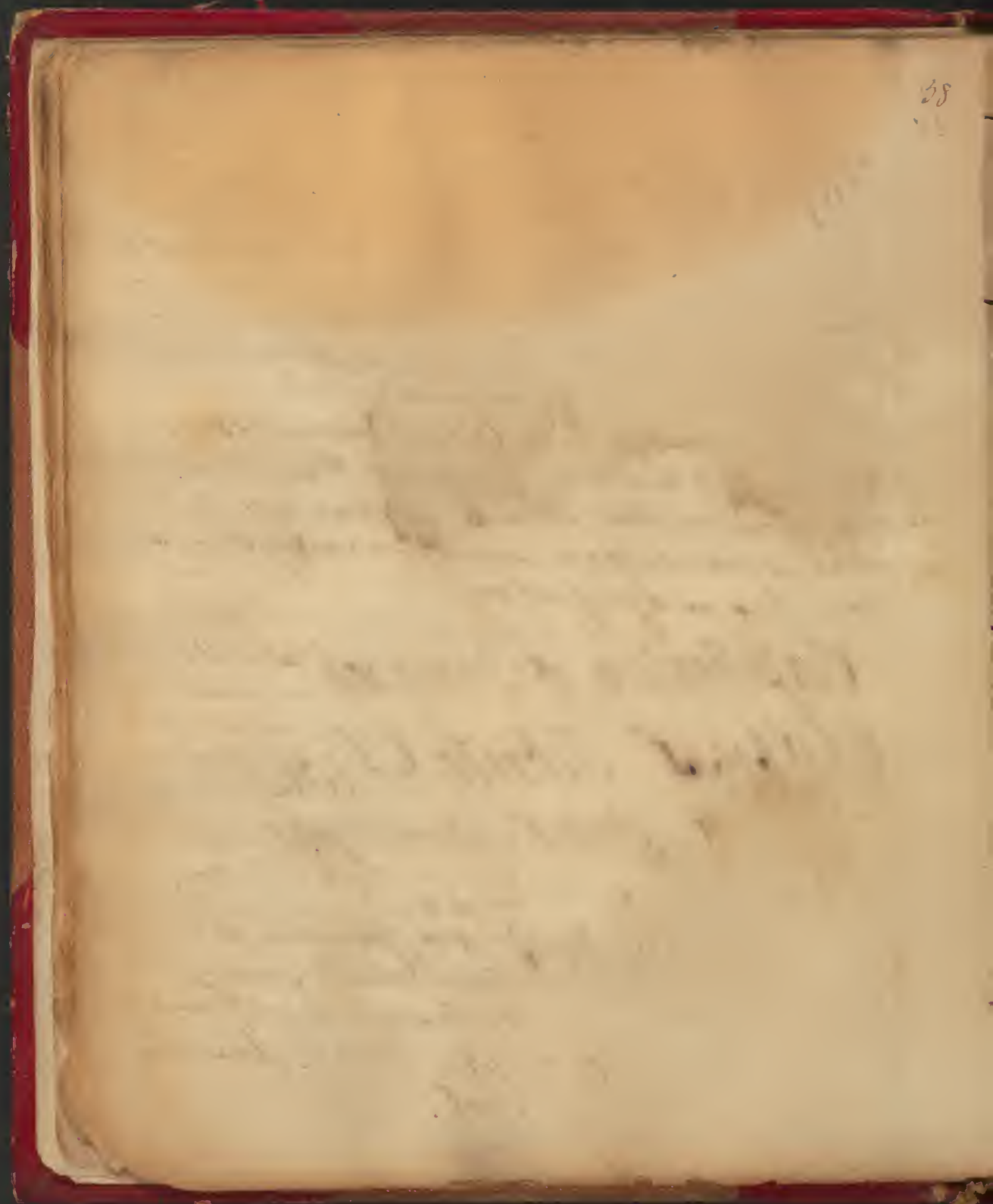
## Classification of Diseases

### Class 1<sup>ma</sup> Febrile Disorders

Ordo 1.<sup>m</sup> Intermittent Fevers...  
Fever which alternately  
cease & return at certain  
regular periods.

Ordo 2. Continued Fevers or  
Fever which from their first  
invasion to their End always  
continue with nearly the  
same degree of heat.







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Class. 1<sup>na</sup> Ordo 3. Remittent Fevers  
less violent at certain  
times as much less violent  
but not quite gone, & the fever  
grows to the same violence  
as at first when the fever  
arises.

Ordo 4. Eranthematous or  
Eruptive Fevers are such  
fevers as are attended with  
Eruptions of the skin as  
Scarlet & Pityriasis Fevers &c.

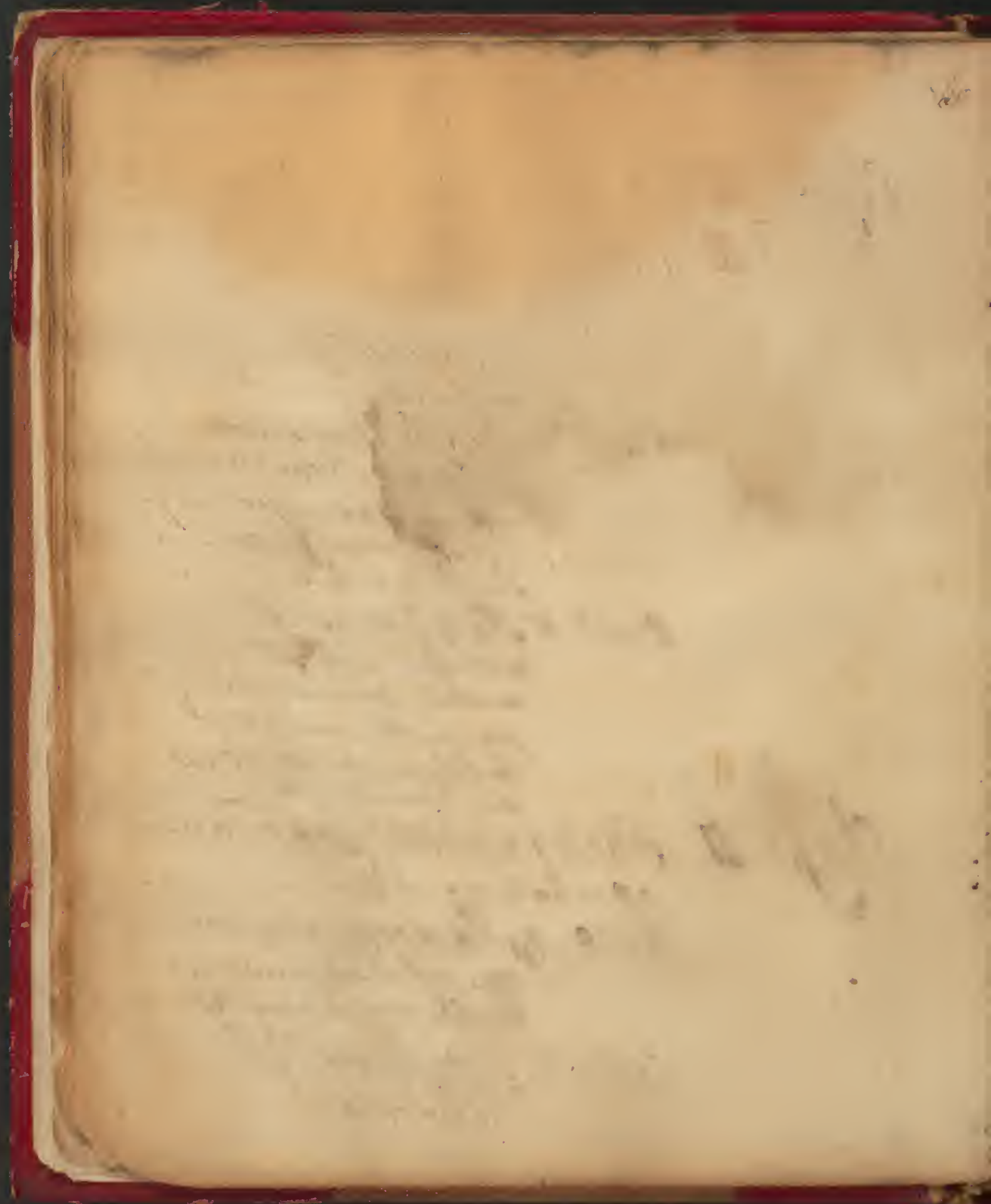
Ordo 5 Phlegmasia & others  
attended with Local Inflam-  
mation, & under this I shall  
put the Phlegmasia pulmonalis,  
the Rheumatism Gout & Gra-  
vis Constrictiva.

Class. II. Preternatural Evacuations  
of whatever kind.

Ordo. 1. Hemorrhages or Dischar-  
ges of Blood from any place  
as the Nose, Gums, Hemorrhoids &c.

Ordo 2. Evacuations by Vomiting  
Stool.







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Class. II Chronic Evacuations

Class. III Paralytick Disorders &  
the Debilities

Ordo. 1. Debilities in the Extremities  
as the arms & legs &c.

Ordo. 2. Debility in certain Organs  
as loss of motion in any place  
as the heart & Intestines &c.

Ordo 3. Loss of Motion

Ordo 4. Particular Debility of the  
Vital Powers as Syncope &c.

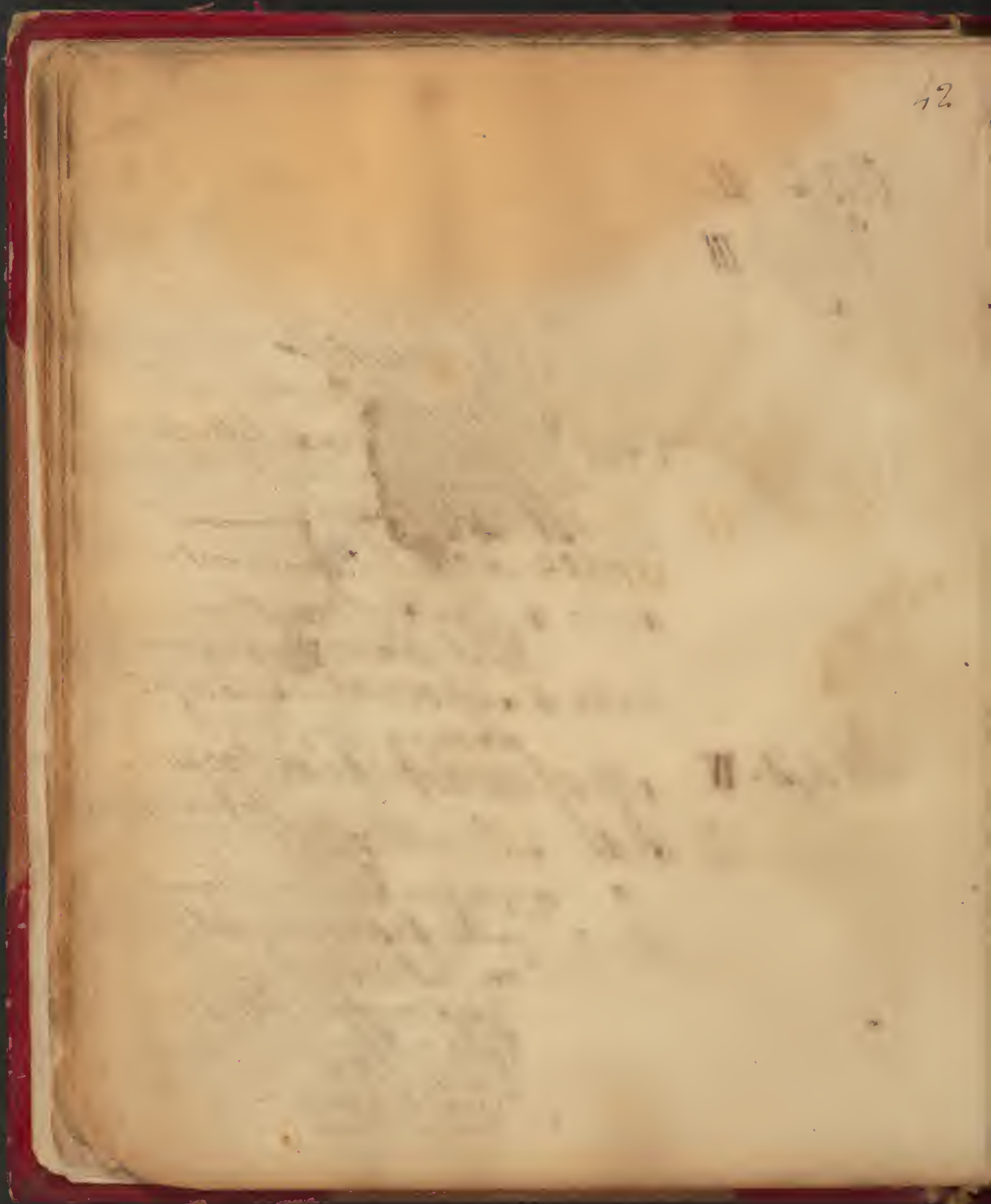
Ordo 5. Lethargic Diseases as  
Lethargy, Apoplexy &c.

Class. IV Spasmodic Disorders

Ordo. 1. Rigidity or Tetanus

2. stiffness accompanied  
with agitation, or convulsion  
as Epilepsy, Hysteria  
Nervous in the Asthma.  
Colic & Head Ach by which  
I divide 2 Classes of Spasms  
the Dolores &c.







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Class V. Mental Disorders

- Ordo. 1. Deceptions of the External  
Organs and of the Vision  
2. Suppressed Appetites.  
3. Delirium  
4. Anomalous Disorders  
of the senses as loss of Me-  
mory.

Class. VI. Cachectics

- Ordo. 1. Atrophy or universal wasting.  
2. General Swellings as  
Anasarca, Emphysema  
and Immoderate fat-  
ness:  
3. Particular Dropsies  
as the Ascites, Hydrocephalus,  
and under this I  
comprehend the Tympany  
4. Swellings of the solid parts  
as the Alchelo  
5. Cutaneous Diseases  
as Impetigo, Itch, Scumey  
6. Leues (Venerea  
7. Anomalous Cachexies  
as Gangrenes, Cancer, Ulcers



Some Diseases remain that I cannot reduce to any of  
these as the Venereal which I will treat of lastly  
because they resemble one so much in their proximate  
causes. Worms must be treat of by themselves because  
they are not so much a Disease as the proximate cause  
of one. Under the head of Diseases I shall take in the  
Hydrophobias & next to these I will treat of the Diseases  
of Infants & then such as are peculiar to Women  
such as those caused by the Menstrus Pregnancy &c.

This in general is the plan I propose to pro-  
secute, & In the End I hope to have as much time  
left as will allow me to go thro the General Prin-  
ciples of Surgery & the Deformities; but you must  
take notice that I don't mean to direct the Man-  
ner of Operations, for this is quite out of my  
Province.

As this then is my general Plan I now  
shall proceed to lay down before you as  
exactly as I can the general Method I intend  
to treat of particular Diseases and

1. I shall give a very exact Definition  
of the Disease; by which I only mean  
an Accurate & distinct Enumeration of  
all the Symptoms that essentially constitute  
this Disease & clearly distinguish it



it from every other Disease. I shall however  
define the Clap it belongs to as also the Species  
& Genus.

I shall give a several & particular Ac-  
count of its Symptoms from the beginning to the  
End of it as I am able. And particularly point  
out the Pathognomical & Diagnosticke symp-  
toms & the Diagnosticke Symptoms or those which dis-  
tinguish this particular Disease from every other  
require a very particular Attention. If not  
attended to sufficiently may lead people into  
great Mistakes in Practice. Nothing is more  
common in the Country than to see Calves  
& Inflammations of the Guts prescribed for  
as if they were Latent Complaints, they make  
them swallow down large Quantities of Spices  
& as Liguors & Specerics, which were there  
no inflammation, perhaps might raise  
one, but inflatulent, Cases, these are not at all  
bad remedies. I shew too I shall speak of the Or-  
igin of the Disease as to its Effects on the  
Constitution, which some times a measure of



\* This must be an Error here, for Gaubius says  
§ 59 — "Occasio est quicquid prae-disponenti super-  
veniens hanc excitat, ut una verbum pariant.  
" Nuda ergo, sola producendo verbo sufficit, in  
hominum concursus requiritur. Prædispositiones  
autem, Occasio non movet: & utrum se prædis-  
ponit ab Occasionem facit, causis a Verbo... que  
sunt say then? which of themselves cannot bring  
about without the concurrence of Prædispon-  
ent cause.



get the better of, at other times it is very dan-  
gerous. We must endeavor to prevent  
the bad effects of the disease and likewise  
a relapse, for some diseases tho' quite  
disappeared, are very apt to return again.

3. I shall handle the Predisponent Cause of  
the Disease, the Cause on which even are some  
particular Circumstances of a persons life  
which dispose him to be susceptible of a  
particular Disorder. So young & languid  
persons are more subject to Inflammatory  
Fever than any other kind. The form of some  
peoples Body, as narrow chest subjects him  
to particular Disorders, as Phthisis Pulmon.

+ 4. Occasional Causes are certain Circumstances  
existing without the Body, which of themselves  
~~may~~<sup>can</sup> immediately bring on a Disease and  
that without the Concurrence of Predisponent  
Causes.

5. Prognostick or a foreknowledge of what  
will happen, that is we can foretell in what way  
the Disease will terminate as in Life or Death.



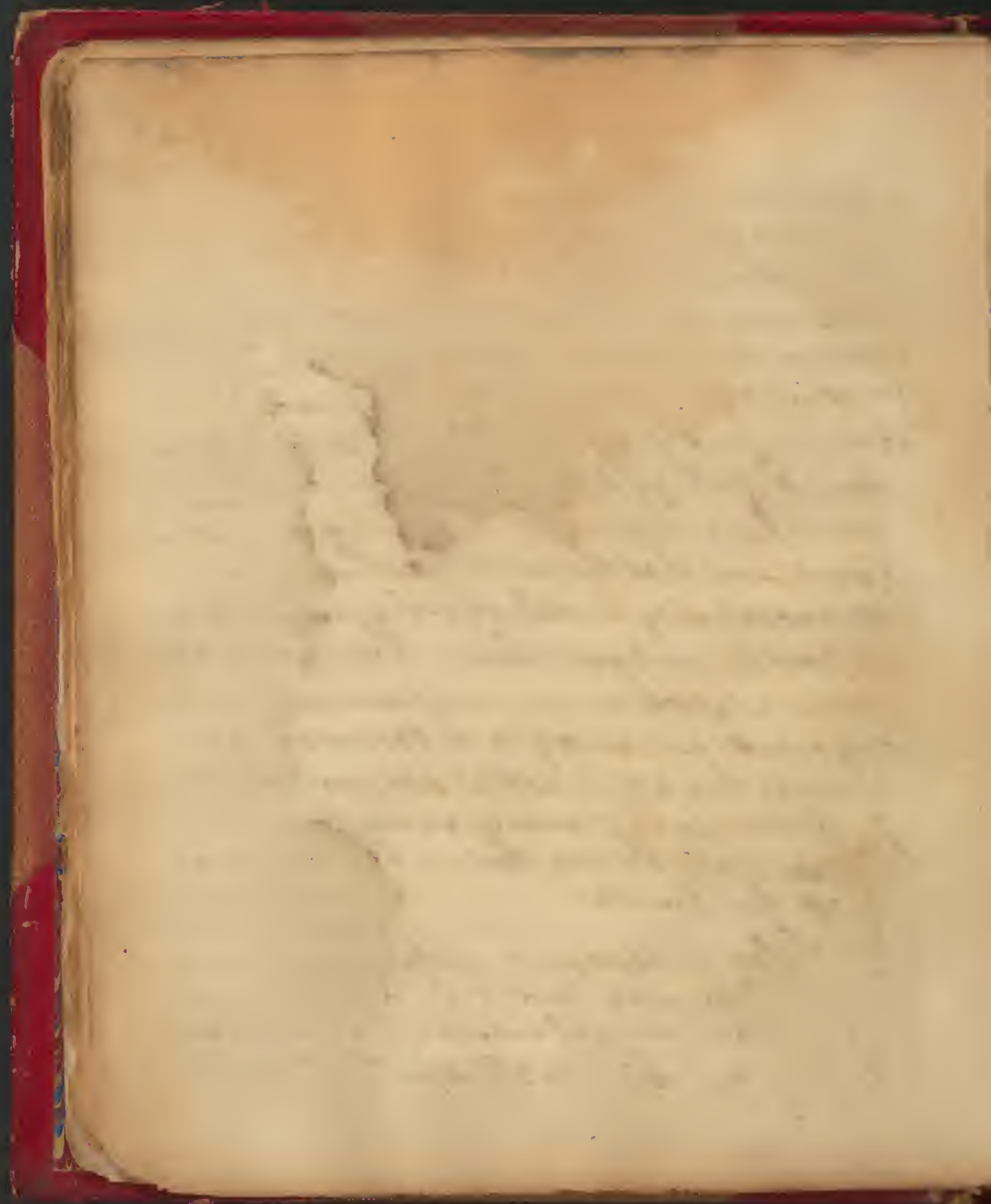
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27  
Death &c. This is a very great import-  
tance to a Physician, & as we have already  
seen, Vaccination is about to happen, now if the  
Physician do not foresee this he probably may  
give medicines that will prevent & disturb  
Nature, & this may be of the very worst conse-  
quence, but if he foresee this he will let Nature  
alone & if she is distressed or embarrassed  
assist her; likewise if he foresee any violent  
Symptoms that threaten Death, he may in  
all probability be able to prevent them or  
at least to mitigate them. However a Phy-  
sician ought to be very cautious in foretelling  
any events especially to the Patients friends  
because this Art is not at all brought to  
perfection, and Diseases sometimes take  
an unexpected Turn, that we can not always  
foretell their Events.

6<sup>th</sup>. I shall endeavour to explain as far as  
can, the Proximate Causes of Diseases, which  
is a certain internal substance existing in  
the Body, and immediately causing the Disease.





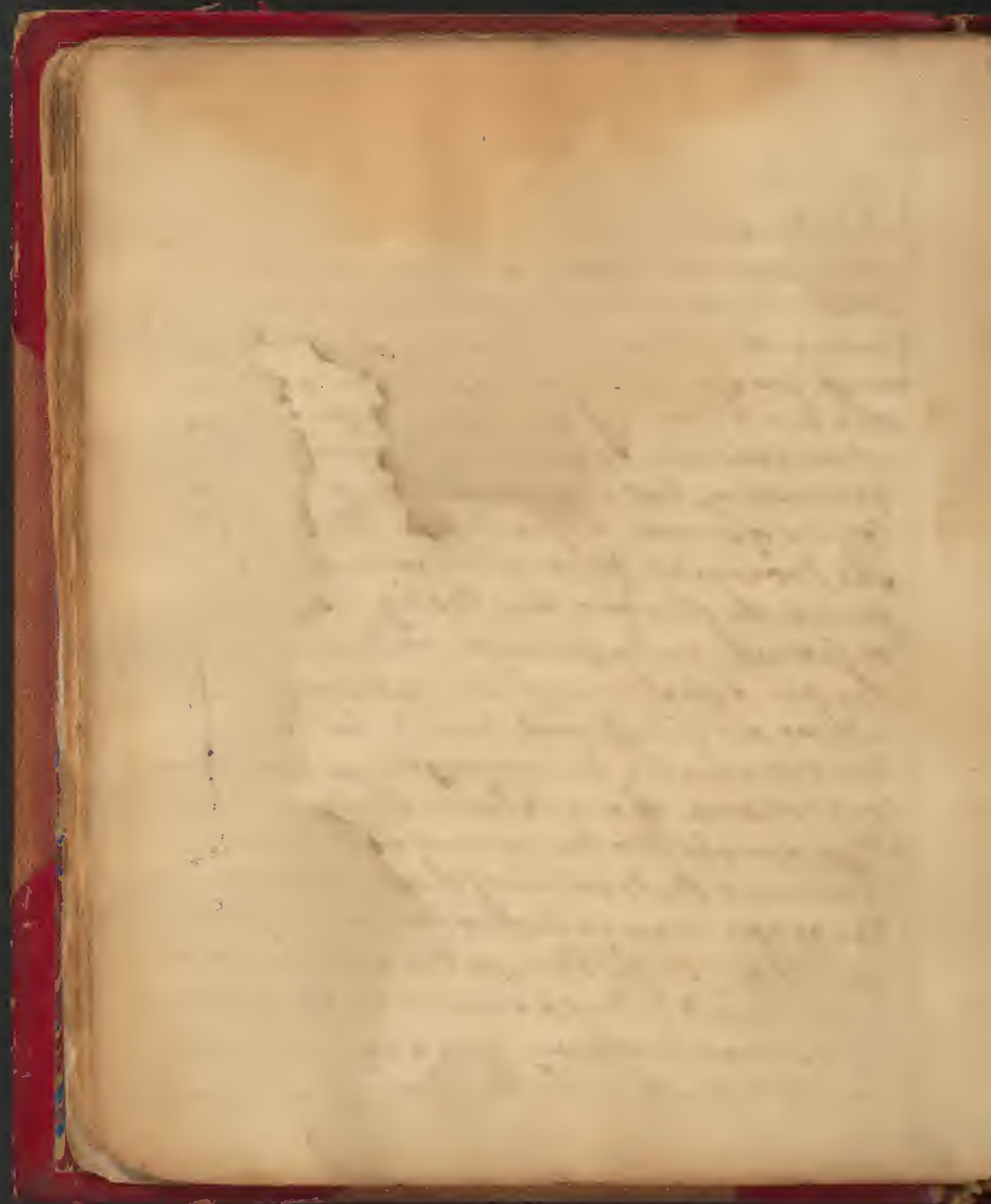


and when removed the disease ceases.

It is to be obtain'd from the antecedent causes and an accurate Examination of the Symptoms & Morbid Dispositions greatly assist in discovering it, but in these we are very apt to be deceived, for upon examining the Body of a patient who has died of a fever we will probably find extravasations & Inflammations & probably Gangrenes, but these are not the proximate causes of fevers. they rather are Effects of them. The Proximate cause of Diseases is sought for in the fluids of our Body, as in Plethora or fullness, in Impurity, in Viscidity, & when they are dissolved, in Acrimony, four Juices, & these are of different kinds, as Alkaline Acid & Muriatic Acrimony; in Polypus Concretions, of our Blood & Fluids.

It is sought for too in our Solids, as in Tension, & Relaxation of them. Inflammation Gangrene, & in Calculus Concretions; it is sought for in the Primo Væ as Stomach Intestines &c. But a disorder may be felt in the Stomach & removed by a Vomitus actus there be nothing in the Stomach either Acid or



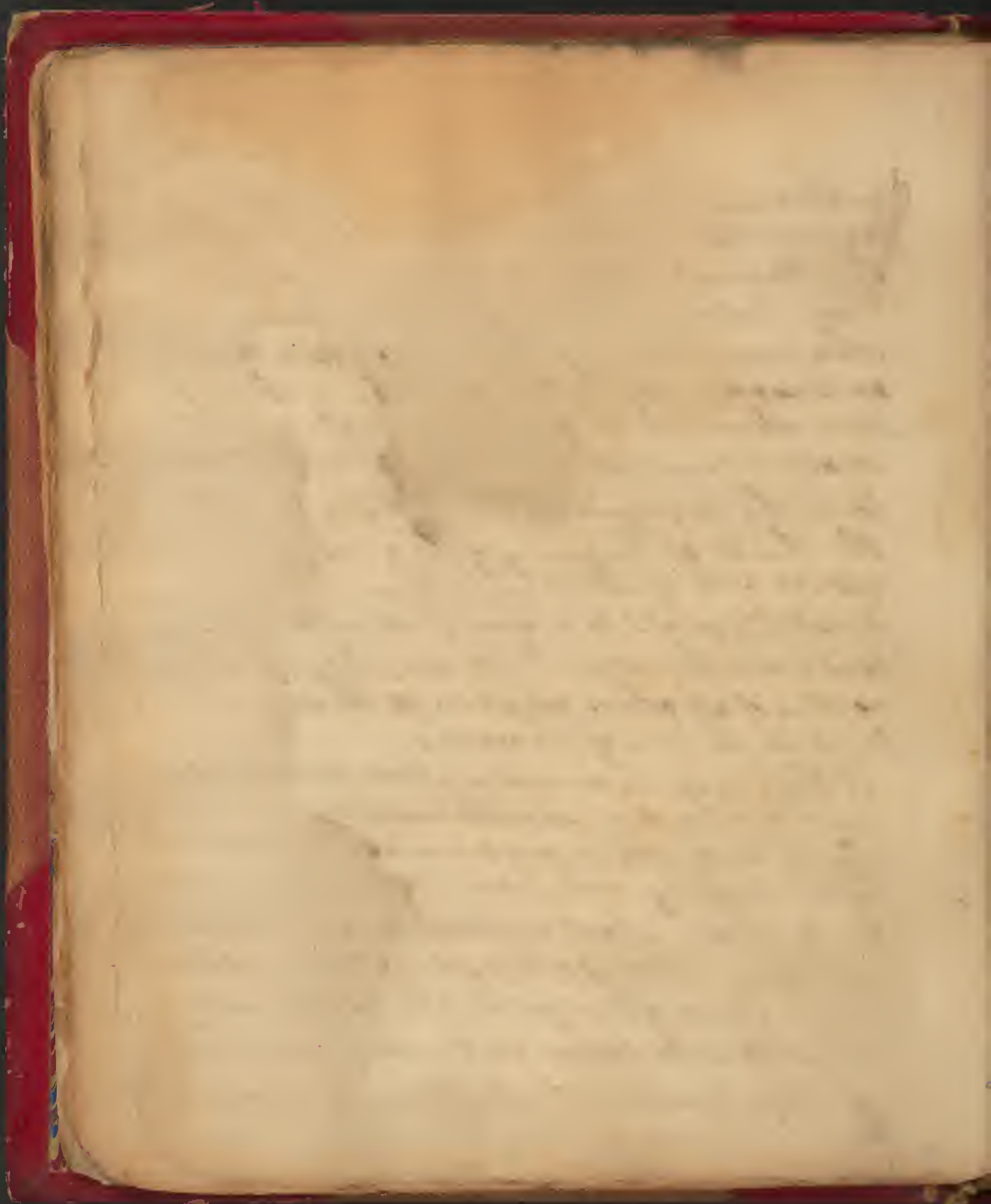




or that could hurt it, this is owing to <sup>the</sup> connection it has with the whole nervous system. This Proximate Cause is caught for in Dropsies, & other Extravasations, of Crues Humors in whatever place of the Body, and in Worms, in Disorders of the secretions, in the fermentation which when irregular is the cause of morbid congestions is to be caught for in the Nervous system & sensitive Principle. Tho' this be an Inquiry of the greatest difficulty yet it's of the greatest importance & use in practice & ought to be searched into with constant & uninterrupted Diligence & Application as it is of all others what will throw greatest light on the Cure of Diseases.

A Physician in searching into the proximate cause of a Disease should always do it with a view of being able to cure & remove it, a speculative Inquiry will have little influence on Practice. Most Systematic writers do with the greatest facility point out the proximate Cause of Diseases, but then they are not at all to be looked on as really true but merely Chimerical & the offspring of their fancy.







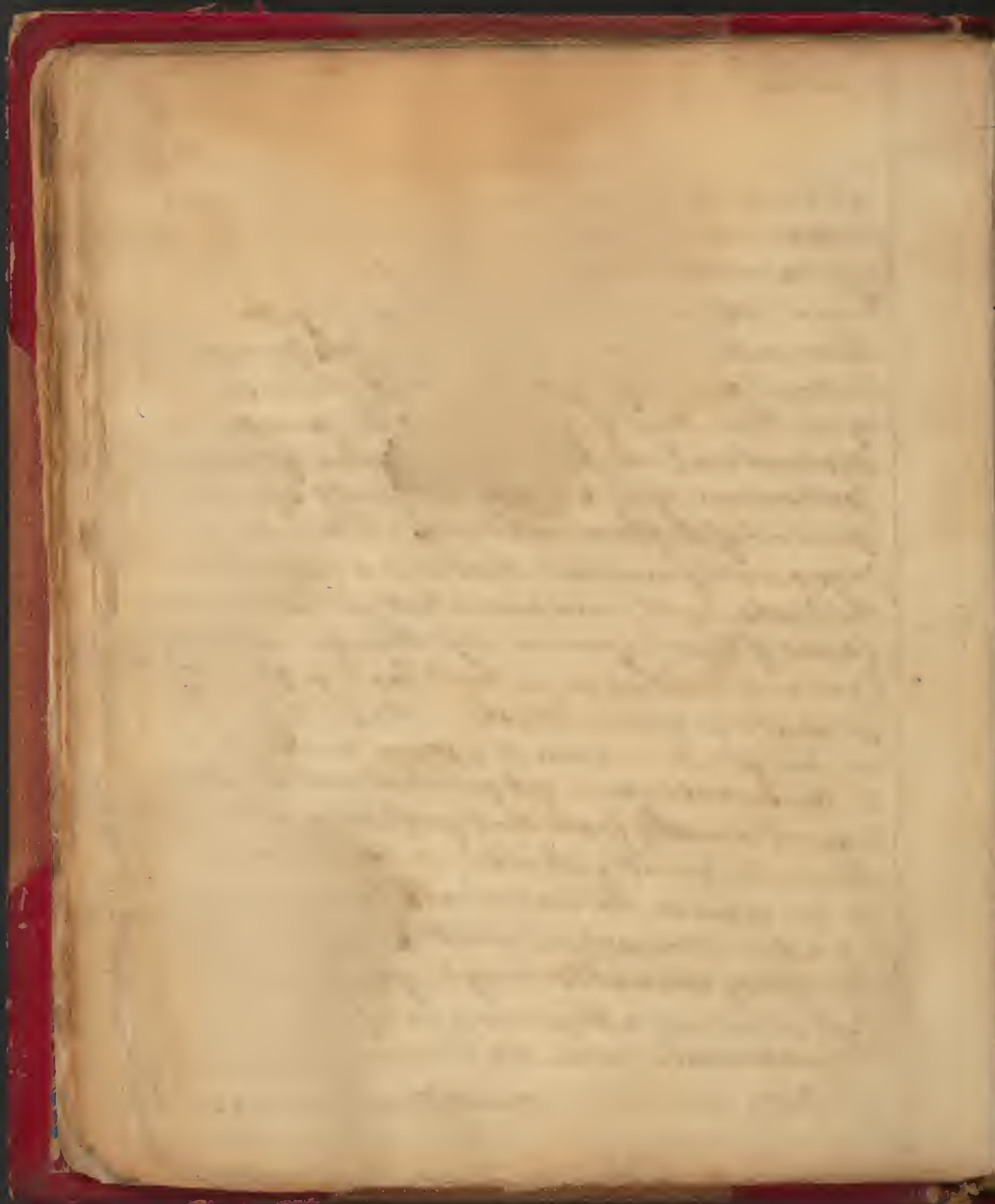
Indeed the Proximate Cause of a Disease  
 because every particular Symptom may have  
 a proximate Cause & it is very difficult & some  
 times impossible to be found out by us.

Thus in the Jaundice, the proximate Cause of the  
 Yellow Colour of the Skin is an obstruction  
 of the Bile. But then what is the Cause of this  
 Obstruction? whether is it Calculus, Spasms or  
 Callosities of the sides of the Ducts in conse-  
 quence of Inflammation? Altho we can  
 reasonably conclude that it's a Calculus in  
 the Ducts. next Question what is the Proximate  
 Cause of this Calculus, whether owing to a  
 Excessive Diathesis in the Blood, or to the con-  
 formation of these Ducts. At other times tho'  
 we may have reason to believe we have found  
 the Proximate Cause yet we shall not be able to  
 trace it directly from the Symptoms.

We will be greatly assisted in our Inquiries  
 if, to examine the Antecedent & Reasonall Cause  
 & to attend to morbid Dispositions which if accurately  
 & carefully attended to may be of the greatest Service.

But allowing a Physician cannot discover  
 the proximate Cause of a Disease yet if he has  
 carefully observed it's successfull treatment



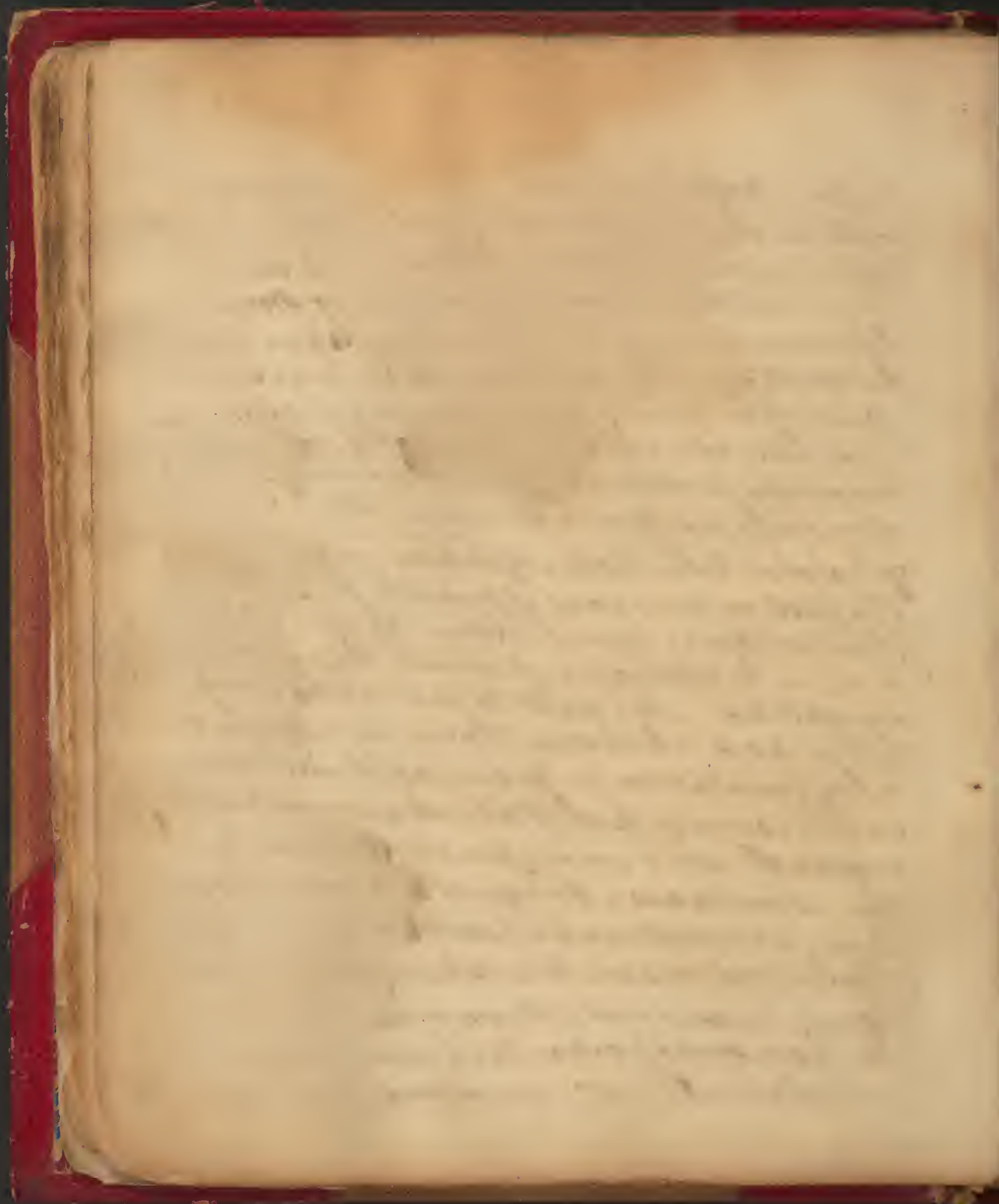




before, & often seen it treated successfully  
with the same remedies, it will not be reckoned  
empiricall practice in him to exhibit those  
remedies he has so often observed prove  
efficacious in curing it. Thus in an Inter-  
mittent fever, no one knows the proximate  
cause of it, & every body knows that the same  
will cure it. At other times tho' we may  
know the proximate cause of a disease yet it's  
often out of our power to remove it:

7<sup>th</sup> I shall take Notice of the Indications for Cure.  
The first is to remove if possible the Particular  
Disease under Consideration. If that cannot  
be done to alleviate or palliate the most violent  
Symptoms. And next to prevent the Effects  
of a disease, which sometimes, are very bad  
& lay foundation for Chronical Disorders or  
such Disorders as the Patient never gets the  
better of. And in desperate Cases when  
there is no reason to expect a recoverable  
turn we must make Death as easy as possible.  
The Indications are to be taken from the Antec-  
edent, Occasional & Proximate Causes.  
And from some particular Circumstances  
in the Patients Case, as unusual Cravings.



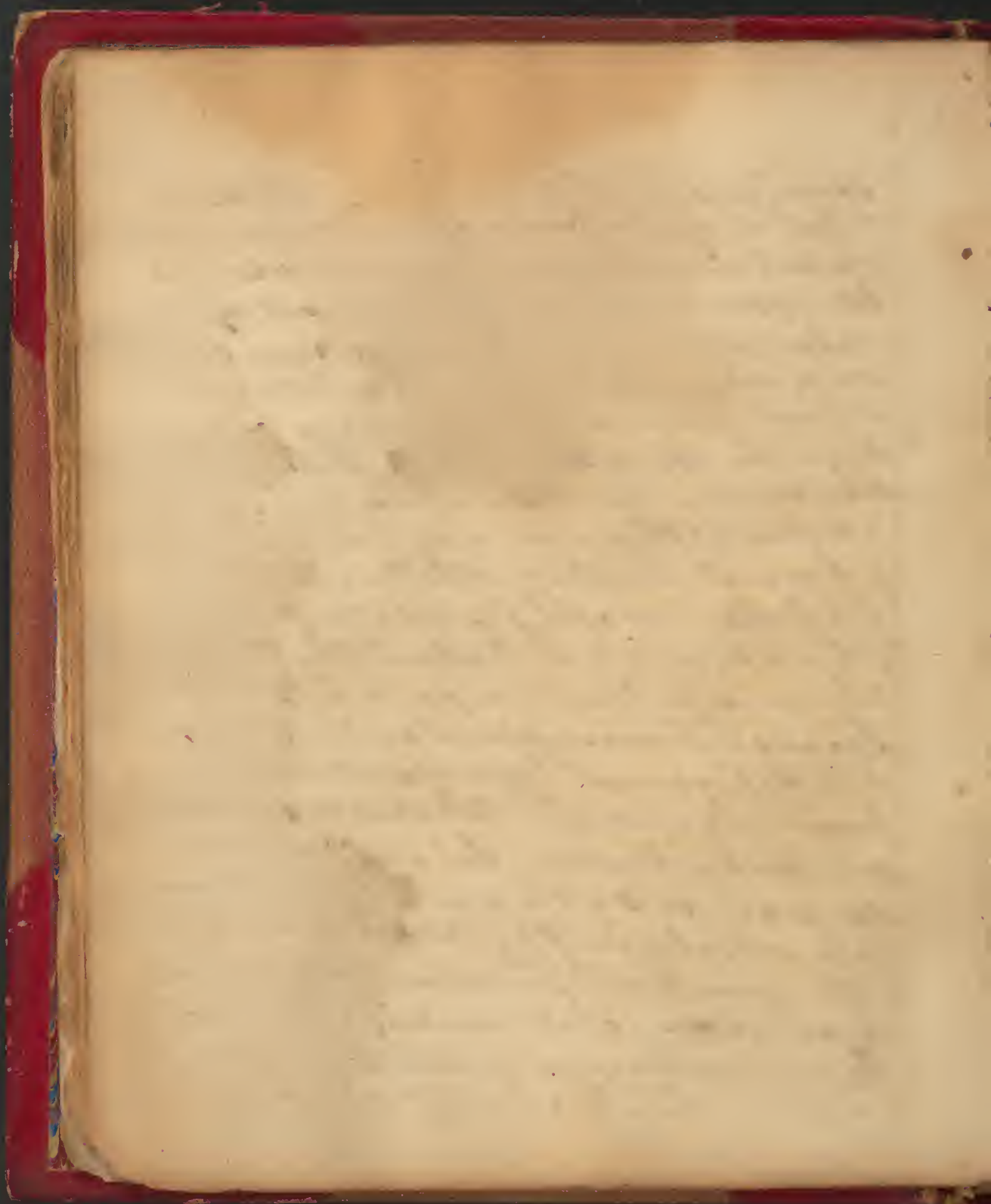




Some Cases occur, where no Indication can be had or dependance on, then if the Disease is not violent we may use the *ledentia* & *juvantia* till Nature make some Effort that will afford an Indication. As the Proximate Cause is the source whence the indications are taken when it is not attainable we must reason from Analogy or the resemblance we find *ipfelux* it is some known Disease. It has been said that a Rational Physician never practises without a thorough knowledge of the Proximate Cause of a Disease but as this is not always possible I think he will be the Rational Physician who gives the best Reason for his Practice. Francis Syllius supposed an Acid in the Blood to be the proximate Cause of all Diseases & accordingly prescribed Alkaline & tartaric Salts & Scorbacious Powders, this was certainly a bad practice & yet he was reckoned a *Lagmatic* or Rational Physician.

After going thro' the Indications of *fever* in particular Diseases I shall according to the *breve* of Indications mention particular Remedies adapted to these Indications and after all give







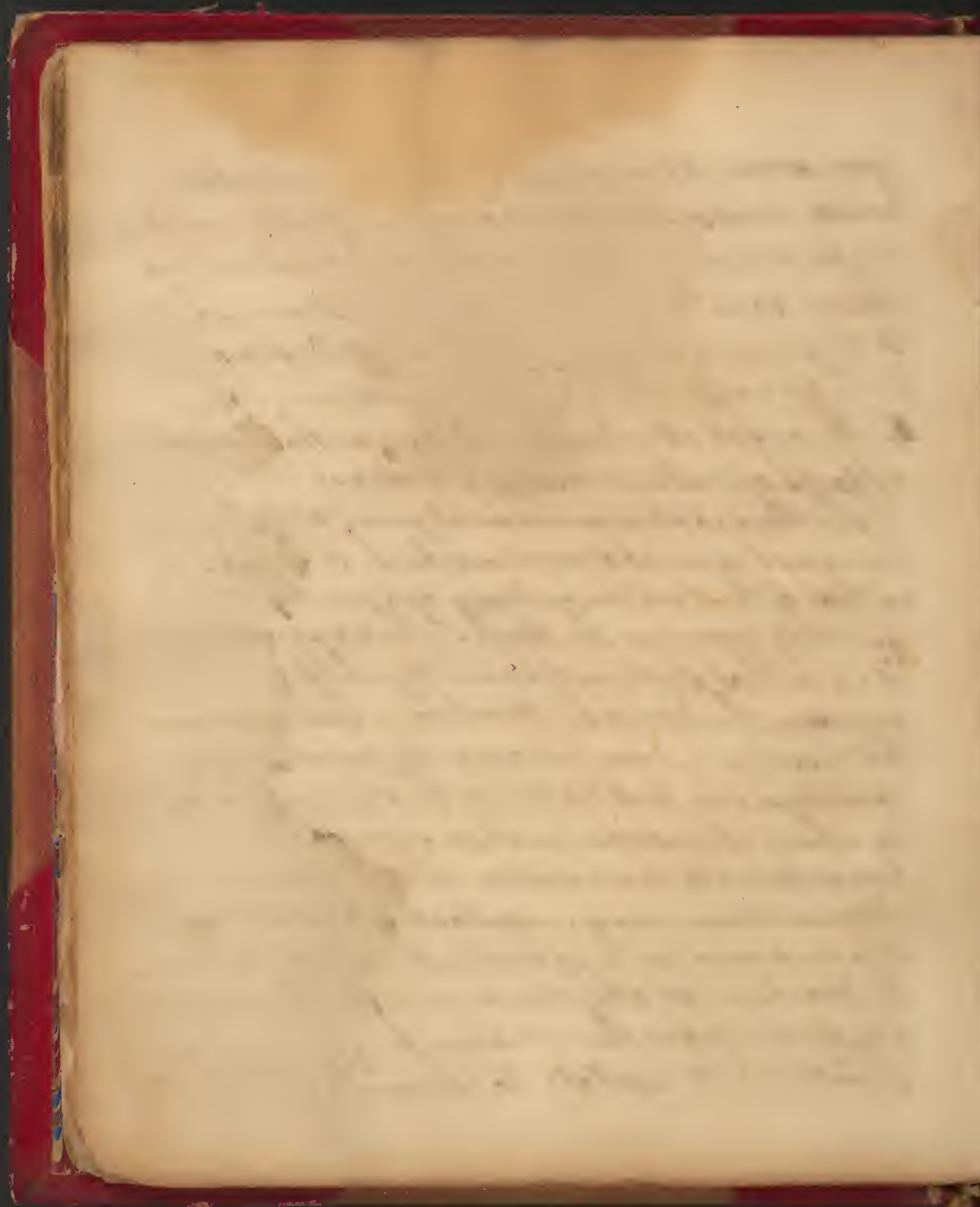
61  
give some Account of the Authors who have  
wrote best on the Practice of Physic.

Before I enter on the treating particular Diseases, some General Principles are necessary to be premised with Relation to their Management, & ought to be carefully attended to.

I. We ought attentively to Observe the Progress & Efforts of Nature in every Disease.

The Word Nature is variously used & explain'd; the most general Sense in which it is applied is that of the System or Body of Laws by which the Deity governs the World. The Sense we take it in is that System of Laws by which Providence governs the Animal Machine. This Machine tho' disorder'd, does not cease to move, like any factitious one, but Nature or the System of Laws by which it moves, makes some Effort to rectify & regulate its Movements. These Efforts however are sometimes very irregular & not at all uniform & sometimes so very violent <sup>as</sup> entirely to Destroy the Machine at other times insufficient to do any Service from their weakness. Here Art must be called in to regulate, to restrain & assist.







63  
Nature, according as she shall stand enabled of  
either. When Nature makes no efforts towards  
her own relief Physicians must be guided by  
Experience & Practice.

Physicians differ in leaving Diseases to the  
Conduct of Nature, & in some slight Colds she may  
& is often left the management. Others leave  
Eruptions, Fevers and small Pox to Nature & she  
is an admirable Manager of them. Other Dis-  
eases need particular Art, because Nature seems  
to make no efforts for them as I. & Dropsy  
& Inflammatory Disorders.

**II.** We must never mistake the effort of Nature  
for a Disease itself.

For in some kinds of Fever there often comes on  
a Diarrhoea which if let alone and not stopped by  
Medicines ends the Disease & is a real effort of  
Nature to stop the fever & cure it.

But in some Febrile Disorders there are  
Evacuations which aggravate & increase  
the Disease as Diarrhoea long continued  
& proceeding from some internall cause  
as Ulcer in the Lungs &c.

Children who have been subject to Convulsions



*[The text on this page is extremely faint and illegible due to fading and bleed-through from the reverse side. It appears to be a continuous block of handwritten text, possibly in a historical or scientific context.]*



Convulsions are generally freed from them by an Ouzing behind their Ears, & sealed head. These Evacuations ought by no means to be stopped, by astringent Applications or any thing that has a tendency to repell these humors. Sordid Ulcers appearing commonly terminate & cure several Diseases, & must not be dried up too soon.

**III.<sup>d</sup>** We should generally in the beginning of Acute Diseases cleanse the *Primæ Viæ*. Bleeding has been commonly reckoned the first necessary Step in curing Acute Disorders of every kind, but in numerous Cases at least in some Stages of them a little Quan.<sup>y</sup> of Blood taken away sinks the Patients Strength surprisingly. Indeed in Inflammatory Disorders more or less Blood may generally be taken away, & by it we will be able to judge of the State of the Blood.

There are certain Symptoms that indicate the cleansing of the P. & V. by Vomits or laxatives as loathing of Food, Ill Taste in the Mouth (asthenia) preceding. &c. here a Vomitive sh<sup>d</sup> be given & if it do not procure a lax stool



*[The page contains extremely faint, illegible handwritten text, likely bleed-through from the reverse side. The text is organized into several paragraphs. A small, dark, rectangular mark, possibly a stamp or a correction, is visible on the right side of the page, approximately one-third of the way down.]*



some gentle cathartick should succeed it, by which means any putrid stuff in Stomach or Guts will be evacuated & any fumes of the Disease removed as shall be spoke of afterwards. It was formerly a Rule among Physicians never to bleed Vomite or purge, unless at the very Attack of the Disease, so that if a fever had lasted 3 or 4 Days before they were called what ever appearances there might be of fault to Stomach &c they never ventured to exhibit Vomite or Purge, lest they should disturb the Action of the Morbid Matter, but sure this is a wrong Practice & bleeding Vomite or cathartick may be given at any time if indicated without Danger.

It was another Maxim with them, to give Physic after every febrile Disorder which was certainly very absurd. For if a Patient recovering from a Fever should complain of no Disorder of his Stomach, but should have a good Appetite, & feel no remains of his former Disease what good Purpose could the weakening him with a cathartick serve.

In Putrid Disorders there are apparent Marks



*[The page contains extremely faint, illegible handwritten text, likely bleed-through from the reverse side. The text is organized into several paragraphs. A small, dark circular mark is visible near the top center of the page.]*



marks of the *primæ viæ* being overdone  
 & in disorder, here indeed a gentle cathartic  
 should be exhibited.

And after the Small Pox it is very proper to  
 administer a cathartic, because of the Guts  
 being full of them & if the patient is fastid-  
 ious the hard stool may produce very fatal con-  
 sequences, therefore it will be necessary to  
 give one, both to prevent this & carry off  
 the putrid & acrid matter that may be lodged  
 in the course of the elementary canals.

It has often been observed that Emetics  
 given in the beginning of Acute Diseases  
 have prevented their farther progress, and  
 Antimonial Emetics given in small Doses  
 have generally an Effect by Vomits & Stool &  
 may sometimes remove the fomes of the  
 Disease, if repeated often & in small Doses.

V. To palliate or mitigate the most violent  
 Symptoms. But sometimes we are prodi-  
 giously nonplused when there is a Danger  
 in palliating these Symptoms and at some  
 time a Danger in not doing, and certainly



Handwritten text in a cursive script, likely a historical document or letter. The text is written in dark ink on aged, slightly discolored paper. The script is dense and fills most of the page, with some lines appearing more prominent than others. The overall appearance is that of a well-preserved but aged manuscript.



certainly of two I do the least is to be chosen  
 Thus in the Pleurisy when the Cough is very  
 violent increasing the fever & other Symptoms,  
 if I administrate an opiate I am perhaps in  
 danger of checking the Expectoration, but then  
 the Opiate quits the Cough, & allays the Pain  
 but if it hinders Expectoration the matter will  
 be accumulated & suffocation the consequence  
 so that here I am at a loss how to proceed, & think  
 there is more danger from the Cough which  
 by increasing the Pain & of consequence  
 the Inflammation may bring on a Gang-  
 -rene, than from the Administration of  
 the Opiate.

V. I ought to attend to the Age, Sex, Com-  
 -ate, manner of life and particular constitur-  
 -tion or as it's called Idiosyncrasy of our Pat.  
 For it is certain that Children do not bear  
 bleeding so well as Adults; but worse they  
 bear Draug evacuations much better, for  
 a Child will continue in a serious Diarrhea  
 for a Year together without losing any of  
 its strength, which Diarrhea would in



Handwritten text in a cursive script, likely from a 16th or 17th-century manuscript. The text is arranged in several lines, with some words appearing to be in a different script or language, possibly Latin or Italian. The ink is dark and the paper is aged and slightly discolored.

Handwritten text in a cursive script, likely from a 16th or 17th-century manuscript. The text is arranged in several lines, with some words appearing to be in a different script or language, possibly Latin or Italian. The ink is dark and the paper is aged and slightly discolored.



in less than half the time ~~in the~~ in colds.  
 And in warm climates they bear bleeding  
 much better than in colder.

We should likewise consider the manner of  
 Life of our patients, for the same Medicine  
 has generally a much greater Effect on the  
 people of high Rank who have lived delicately  
 than on the lower sort of people who have  
 lived on coarse Victuals and taken much  
 Exercise. Habits long indulged deserve par-  
 ticular consideration, for persons who have  
 been accustomed to drink freely of wine or  
 Spirits falling into a fever ought not entire-  
 ly to be prohibited their Use, but allowed  
 either in moderation.

And even in Chronic Diseases a sudden  
 Change of Diet will have very often bad  
 Consequences & is very dangerous.  
 Some People after recovering from fevers  
 like to eat those things they were formerly  
 fond of, as Butter and bread, toasted, &c.  
 may be given without any hurt, tho' to a



Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is arranged in approximately 20 lines, though many are illegible due to fading and blurring. The script is dense and flowing, characteristic of the period. The page is numbered '1' in the bottom left corner. The text appears to be a letter or a formal document, given the structure and the use of capital letters at the beginning of some lines.



to a person in health who had not been accustomed to it, it would probably be too

VII. heavy. & Sometimes Patients have strange cravings and if they are not for things violently hurtful they may be indulged in them, and indeed I never saw any bad effects follow.

In Fevers they are constantly crying for cool Air and Drink, which was denied them till Sydenham introduced the cool Regimen for which we are greatly indebted to him. Nothing is more absurd tho' tis very common, than to load a Person with Cloths who is already too warm and then give him heating Bolus &c.

VIII. When there is no clear Indication by which we may be directed & the case is not very Urgent we should wait till we see what Nature points. But sometimes if we prescribe nothing the Patient loses that Confidence he ought to have in us & thinks himself entirely neglected, and something must be prescribed to prevent this, but it



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*

III



it should be something, that can do no harm if it do no good.

IX. We should hold it a maxim not to give strong remedies in the Paroxysm of a fever, tho' in some cases it is the only time they ought to be given.

X. 'Tis a bad practice to give many remedies and change them often, for we can neither know their Effect or for ever which of them produced it. Compound Medicines are another Cause of our Ignorance of the Virtues or Effects of Drugs. If possible we should prescribe one simple Medicine only & make no additions without good reasons; neither change it till we are ascertained of its Effects. If a Medicine is weak, we may add something to take this away but it should be such a thing, as will not change the Effects of the Remedy.

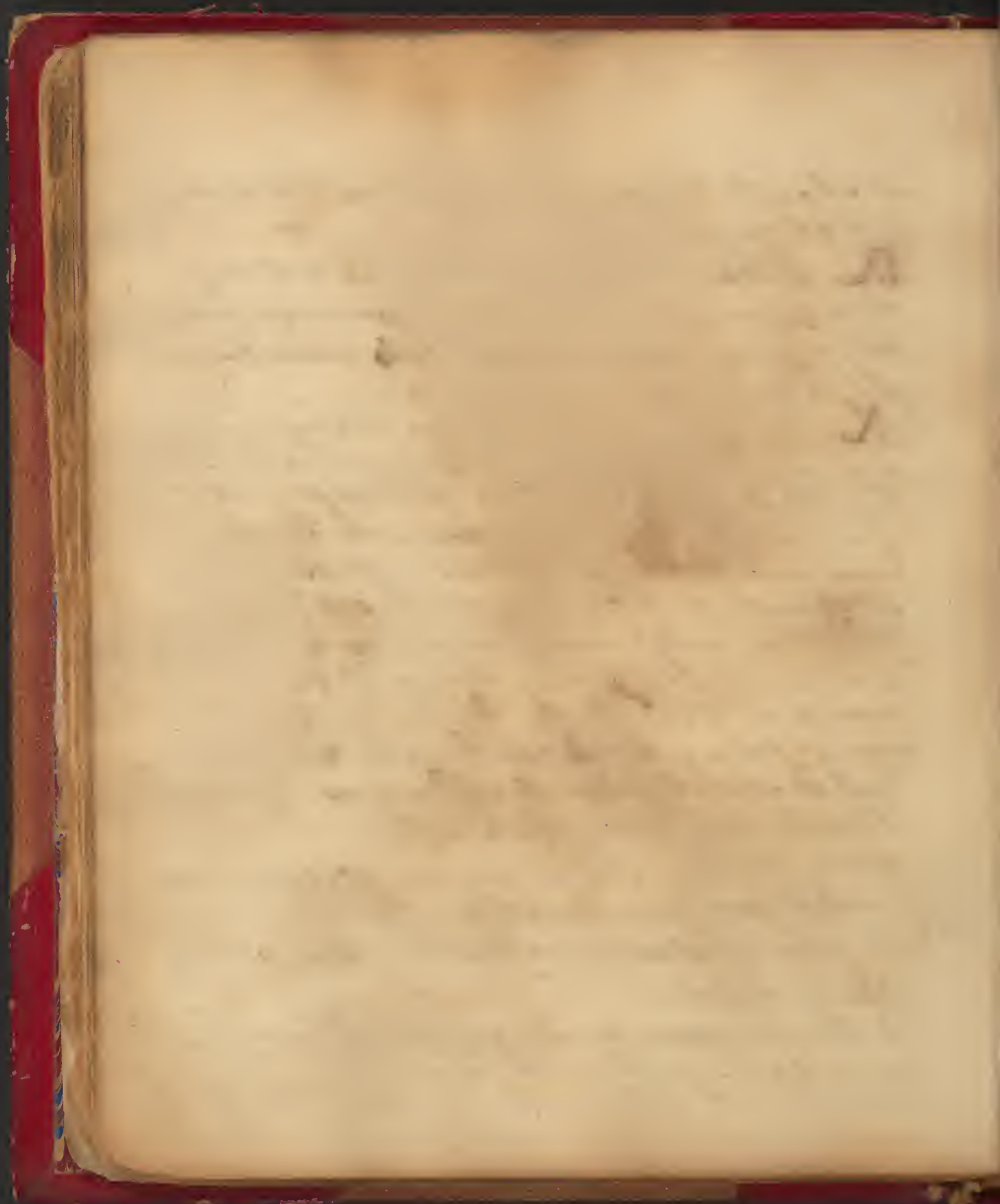
Act. 3 We ought in an especial manner to prescribe simple Medicines to children.

100. 114  
1768

But there are two Causes that hinder Simplicity of prescription.

1. There are some Countries where Physicians are not paid for their Attendance, only for their Drugs, which lays them under a Necessity







of multiplying their prescriptions and giving compound medicines, for to get any tolerable substance

2. Some people are so fond of medicines that they think themselves entirely neglected unless they get something every 2 or 3 hours.

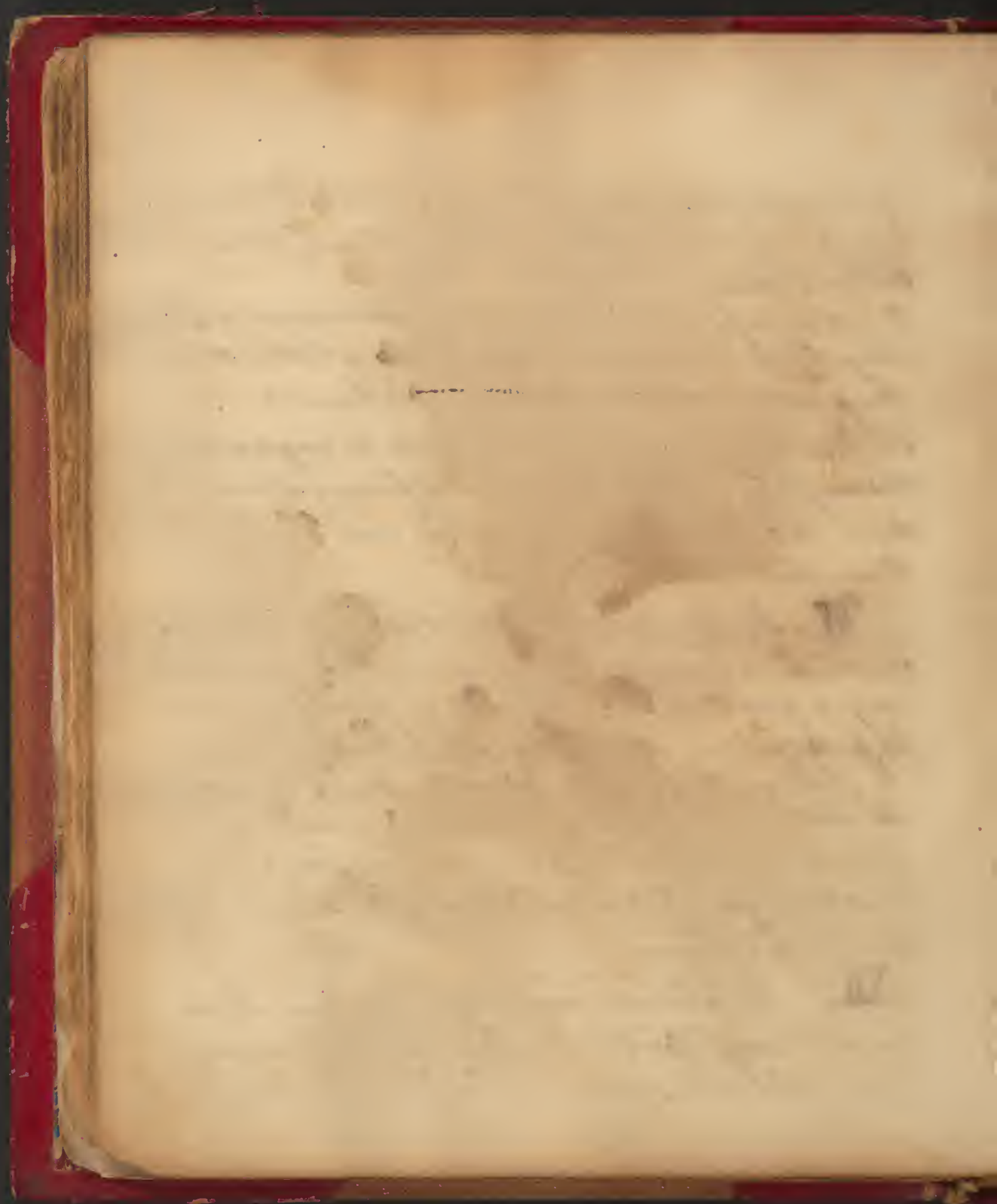
In these cases one would need to be acquainted thoroughly with a number of forms of prescription to order things agreeable and at the same time that will do no hurt.

**XI.** In Chronical Disorders when the whole System is disorder'd Medicines that operate slowly & procure their Effects gradually should be prescribed in considerable Doses.

And in these it is of the greatest consequence to observe a particular Diet, moderate Degree of Exercise, & to drink considerable Quantity of Mineral waters and to keep an easy mind.

**XII.** We should endeavour to divert as much as possible the force of the Disease from the internal to the externall Parts.



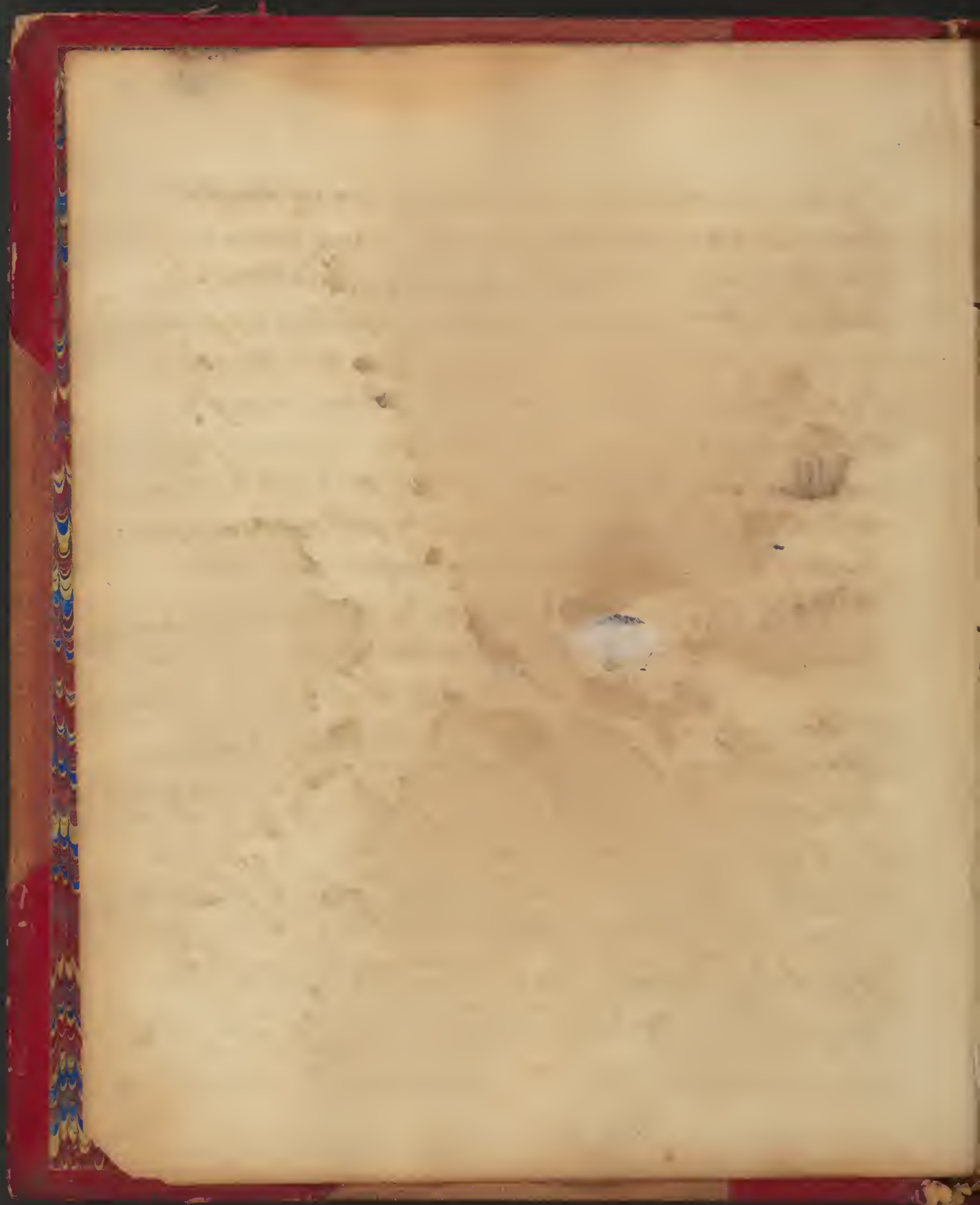




parts; but we are not always able to effect this. tho sometimes it's of the very greatest consequence, as in the Gout in the Stomach which soon proves fatal, if not removed; in erysipelatous cases, and in the small Pox, ~~and likewise in the Gout~~ we may generally do it.

**XIII.** The State of the Mind should be always attended carefully to, and kept as easy as possible. The Vis Vita should likewise be supported. We observe the Mind & Spirits very low in all nervous Complaints and in Disorders of the Stomach, & a particular Attention to the State of the Mind may increase these; for Hypochondriacal people when alone & thinking of their Complaints will sometimes labour under most of the febrile Symptoms, as heat, quick pulse, uneasiness & disquietude & upon any of their Acquaintances whom they liked or thought agreeable going & drinking with them perhaps a Bottle of Claret; they will





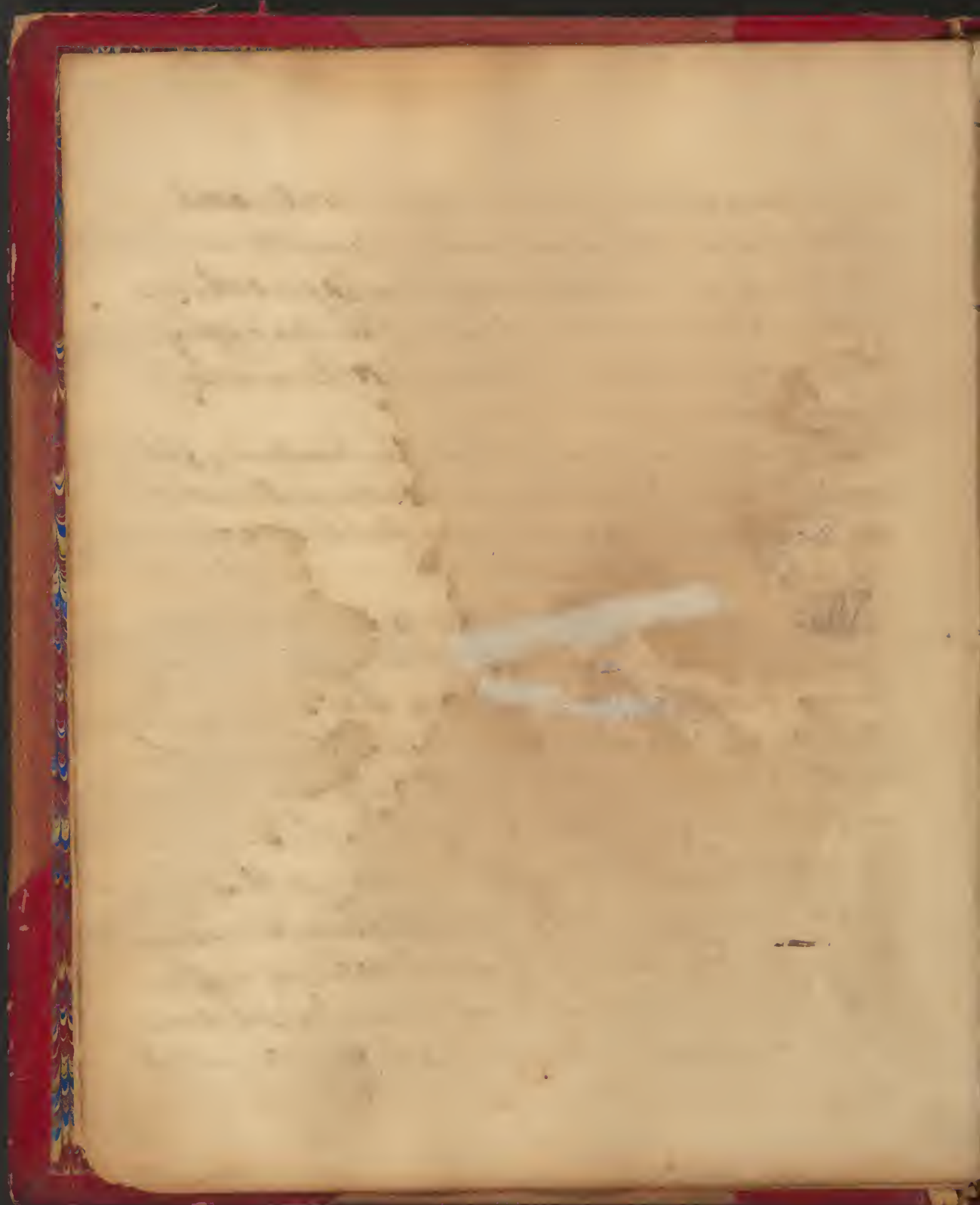


will forgett all their Complaints and have none of the foregoing Symptoms left. In fivers we should always support the Stomach, & never let our patient be too oppressed but give him wine in small Quantities now then.

It may be observed that the keeping the mind easy promotes all the Secretions even as well as riding on horse back or any other bodily exercise whatever.

XIV. In all desperate Cases or such Cases as we can have no hope of the Patients recovery, & we know nothing that can be of any service, if we have known any Empiricall Remedie or heard of any, we may exhibit it, but I cannot lay this down as a general Principle, because the Physician ventures his Reputation & runs a very great risk to lose it, if he do not succeed. But Empiricall Remedies ought to be examined very carefully & have fair Tryals because there are some of them that have been







been found very useful and efficacious when ordered with prudence and Caution.

And here I can not but observe that Excess of prudence in regular Physicians has been more fatal than excess of rashness in the Empirical Tribe.

Having promised three general Principles relating to Diseases in general I shall next proceed in order of the Plan I have laid down, to consider the particular Cases there specified in the particular Articles of this Class.

The first Class of Diseases I propose to treat is febrile Disorders. And according to my plan must give a Definition of them.

### Class 1<sup>st</sup>

#### Febrile Disorders.

If any person has a quick pulse, increased heat of his body, with a Debility of his limbs, and has had a preceding fever or Rigor such a person is said to be in a fever.

This last symptom is not universally pre-















Class. 5<sup>th</sup>, Order 1<sup>st</sup>  
*Intermittent Fevers.*

Intermittent Fevers are such as continue a certain time, then leave the patient well, & return again.

They are variously divided and first into 1 Regular when the fever returns at regular Periods, and Irregular when it does not at certain time.

I shall treat of Regular Intermittents together, because their general symptoms, are similar and the general method of cure is the same, however there are some species such as *Sp. Mias.*, which shall be taken notice of as we proceed. The proximate cause appears to be nearly the same in all of them, as far as we can observe.

In Regular Intermittents, the Paroxysm almost always begins with a coldness which is succeeded with heat, & that by a sweat called *crisis*.

The most common kinds of Regular Intermittents are *Ductidian*, *Tertian*, & *Quartan*.







01  
A Quotidian Ague is when the Paroxysm returns every day at a certain time.

A Tertian when it returns every other day, that is omises one Day & happens on the next at a certain time.

A Quartan returns every fourth Day & omises two Days, or the Patient has two well Days intervening twist the 2 Days that the fitt happens on.

These are those which are the most common there are Quintan & Sextan &c.  
And Van Swieten gives an Instance from being of an Answerer by Ague but these small ones & some of them may be mis- taken & all couched.

There are other Differences to be observed in them as when the fitt returns one Day easier & the next sower it is called double Tertian which is not otherwise distinguished from a Quot. but by the fitts being alternately easier & sower.  
A Double Quartan, when there is a fitt for two Days running, and next or third Day none at all. There is another Distinction of these fevers from







State of the Blood whether it inclines most to Inflammation or Putrefaction, called the Inflammatory and Putrid Catarrhs of the Blood.

And this is a distinction of very great consequence in the method of Cure.

Does these Fevers there are under this head other Diseases comprehended or clasp'd, because they have been observed to have periodical Returns as Quartica and Headach by Sawney, another reason is that they yield to the same method of Cure and to the same Medicines.

We shall now consider the generall method of Cure of Progress of the Fevers.

Sometimes they are regular from the Beginning i.e. the paroxysm returns at regular periods at other times they begin irregular & turn regular very often a Vomitch will have this Effect of making the Febr return at the proper periods. They often are not to be distinguished from a continue fever at the beginning but then assume their own Type which is generally a very favourable issue & holds no danger: but when they change into a continue Fever they are commonly very dangerous







and often in this case they keep their Type or their Periods may be observed very regularly.

These Intermittents often change into another as a Quotidian into a Tertian &c.

It is said that during the Intervals the Patient is well & no mark of the Disease to be found but, they for the most part have a yellow complexion their Urine lets fall a Salutiferous Sediment, both Active & Digestive faculties seem considerably impaired.

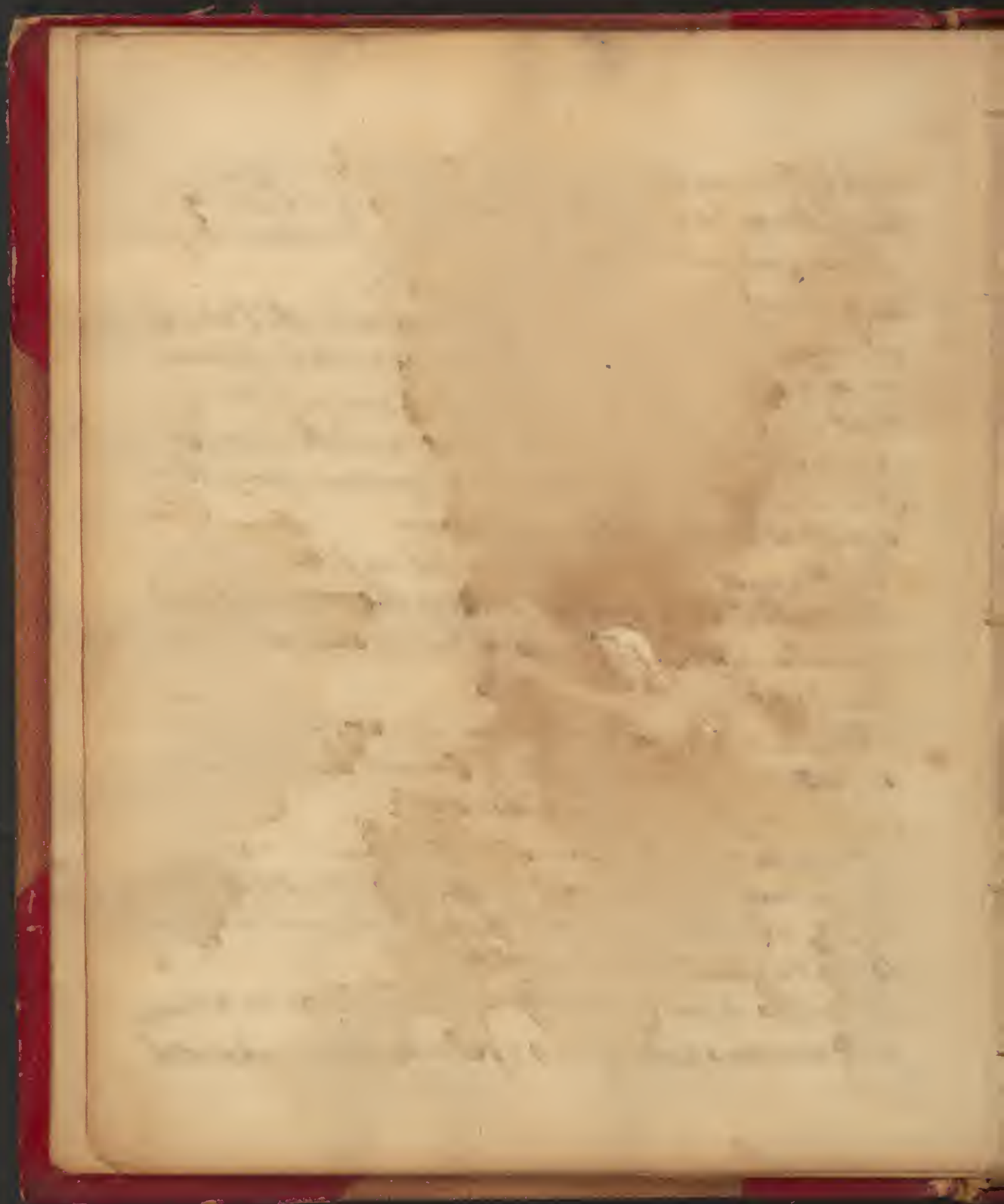
In Ternall Agues the third fit is severe, the 4th. the worst & the 5th to end for the most part carries off the disease, this is observed in general.

Others however sometimes in spite of Medicine and best treatment will keep their Type surprisingly obstinate.

Cleghorn mentions some that would not yield to the best treatment but still kept their Type as likewise did those who were exposed to the damps and night Air.

When the Ague goes off entirely there is always left an uneasy kind of Sensation, about the







the time the Paroxysm should have returned even tho' the Aque be entirely removed by proper remedies. The Circumstances of Regimen Climate, Infancy Putrid Deathesis &c. varie the appearance of the Paroxysm and all the symptoms very much.

We have now seen the Generall Progress of Intermitents at their Beginnings & on their generall course we next examine their appearance in the Paroxysm.

At their Incubation there is a Coldness which is more severe than what precedes the Cont.<sup>o</sup> Fever, attended with stretching yawning & a vitiated apprehension, Anxiety. Paleness of the Lips & Nails, depressed Pulse, And some times Lough, Hemoptoe, Convulsions have proceeded and even a Titanus, Strangury & Stupiness have been observed. Vid. D. & N. 11.

The Cold generally begins in the feet, & proceeds gradually upwards, sometimes 'tis only partial and is felt in the Shoulders & Back as if Cold water was pouring upon them.





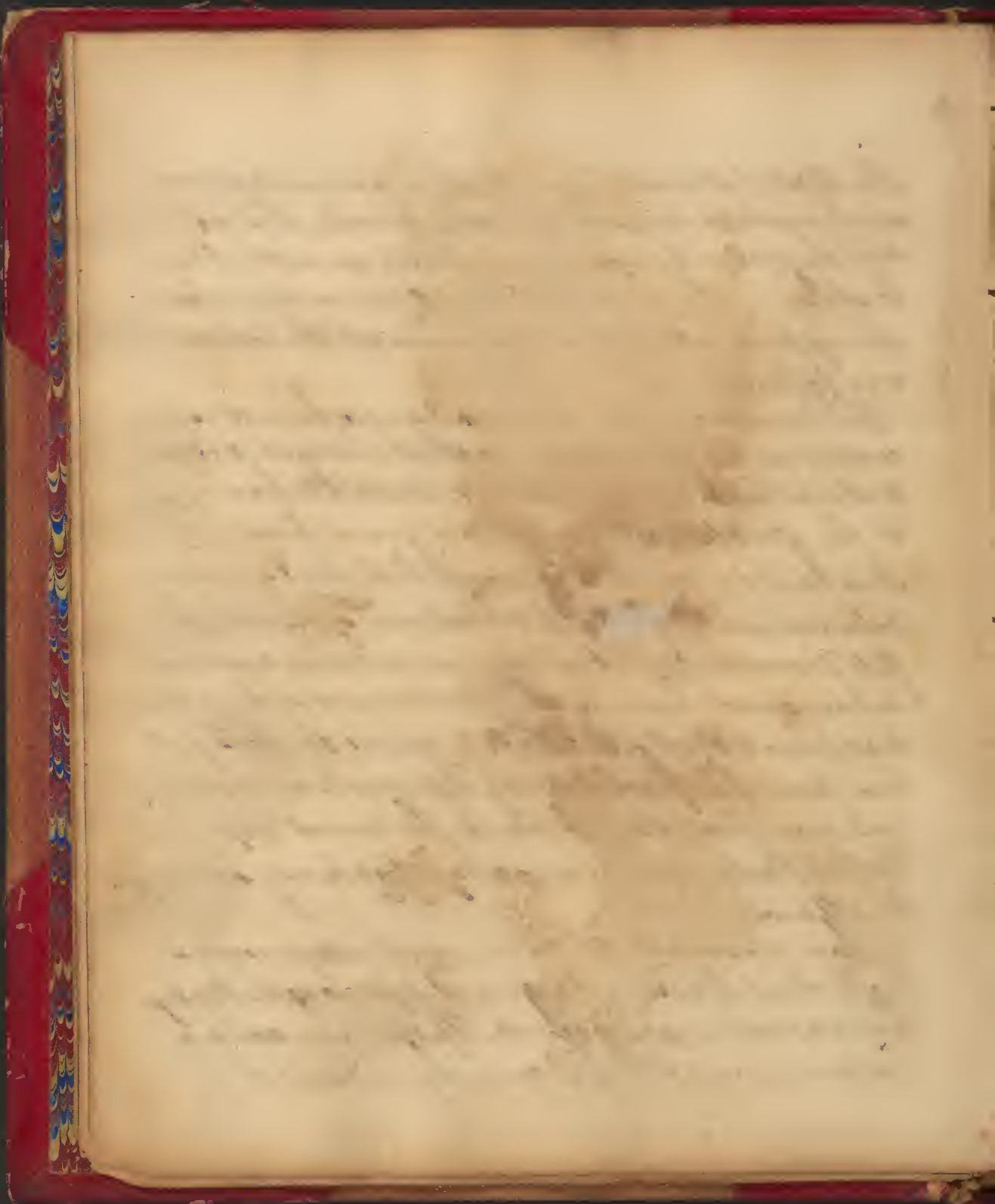


The Cold fit has been often observed to produce such violent tremblings as to break the sweat and the patient rendered so feeble as not to be able to stand. The lower Extremities are cold whilst the upper are hott, but in general all the Extremities are coldest.

The Duration of it is various in some it will continue half an hour in others longer or shorter & it has been known to continue 24 hours w.<sup>ch</sup> is the greatest space of time I ever heard of. It is laid down as a general Rule that we may determine the length & Violence of the hott fit from the Cold but this is not always true because we have heard Instances where there has been no Cold fit at all & where the Cold fit has been proportionably less violent as the Cold was more so. which is the direct opposite to this Rule, yet generally speaking it may be allowed.

There are Instances of Intermitments preceded by Violent Pains in different parts of the Body and sometimes by Coma, Apoplexy, and one instance, by a fit of Stogacity, instead of the

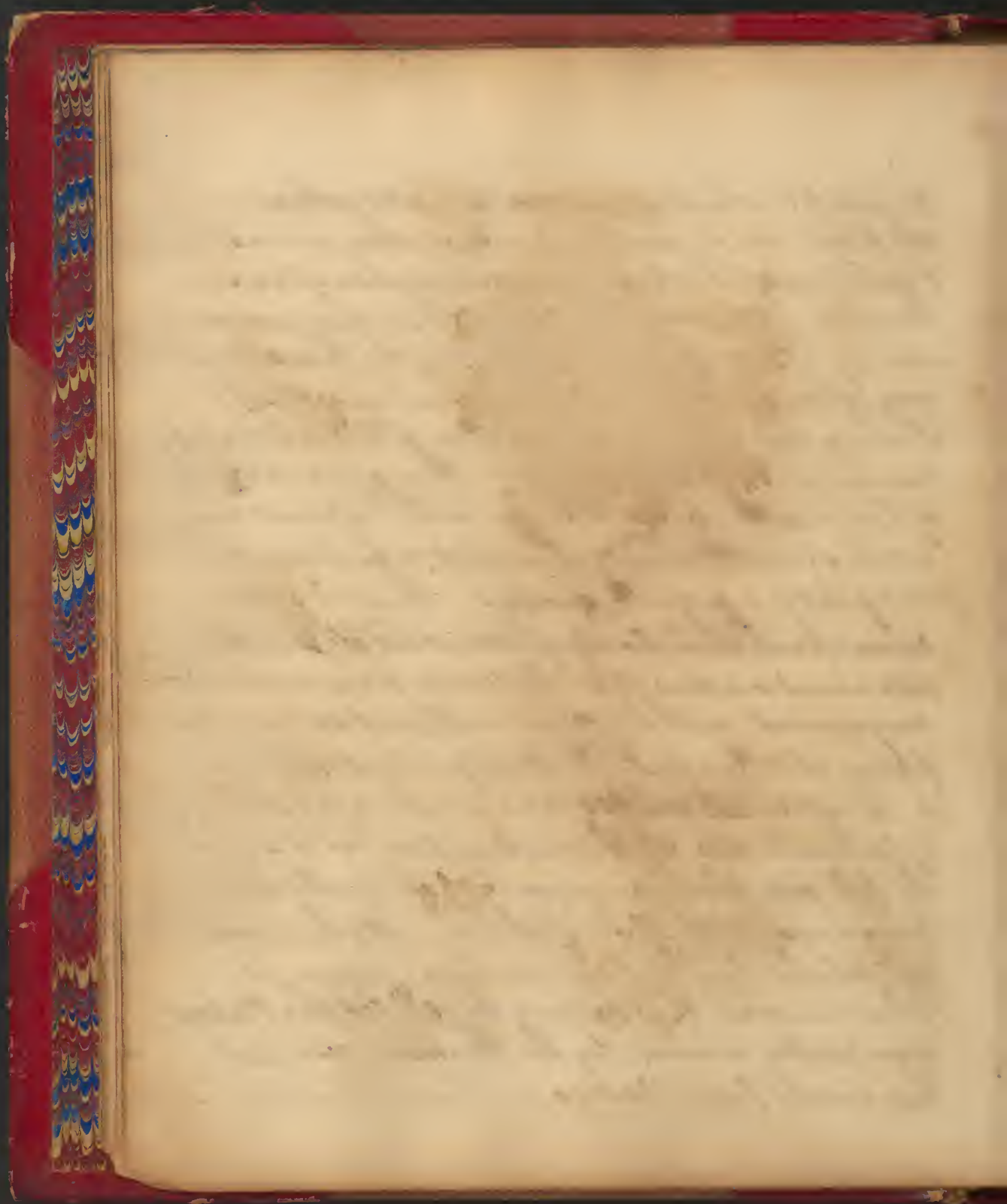






the cold fit, which was wanting altogether.  
 Old People in Agues have a trembling small pale  
 Population of heart attended sometimes w. syncope  
 Anxiety, & prostration. In the Cold Fit there is com-  
 monly a dryness & parchedness of the Throat, and  
 very often a vomiting of Biliousropy Muff.  
 During this its pains are often felt over the Body  
 resembling Rheumatism. They often complain  
 of Pain in the head, attended with Delirium, and  
 all the secretions are imperfect, & the Urine often  
 very little & perfectly limpid. There is often a  
 remarkable <sup>in</sup> Insensibility of Nervous system  
 attendant on this fit. Patients have been cut  
 nay burnt with hot Iron without so much as  
 feeling it & this Insensibility is not confined  
 to the external parts alone for the operation  
 of tartaric has been suspended during  
 the cold fit which proves that the Lungs have  
 been incapable of Irritation. At other times  
 the Patient has had a Diarrhoea during it.  
 It has been said that during the Cold fit the Patient  
 was really warm, by the Thermometer, but  
 this is not true always for I have seen him







evidently colder and at other times considerably colder than in a Natural State

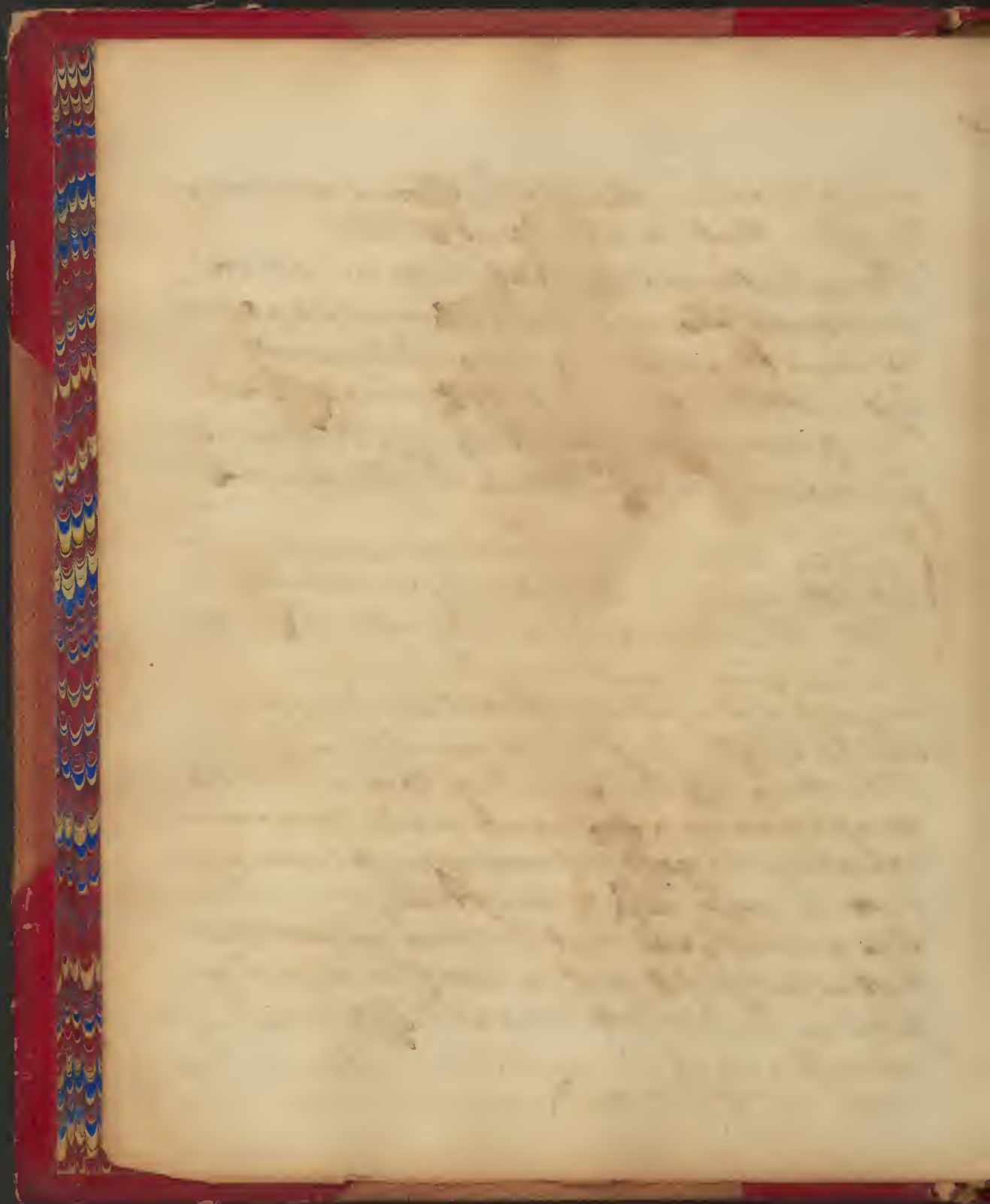
Many Authors say that in general Intermittents observe earlier time of Day according as their Paroxysms are more frequent or at less Distance thus the Paroxysm of a Quotidian happens in the morning, of a Tertian in the forenoon of a Quartan in the afternoon and

Sec. 6 So on.

100.15 } We have examined some of the Appearances in the  
108 } Cold fitt, which is immediately succeeded by the  
hott. This comes on gradually, after the cold one  
of which some Symptoms still remain as the  
Dryness of Tongue and Throat, Debility of Limbs  
and Anxiety. The Face is much flushed and  
all the skin red, the Urine high Coloured, the heat  
greater than in a continued fever, the breathing  
which in the cold fitt was oppressed now becomes  
free, the pulse is full and strong.

It is generally said that Tertians and allagues  
kill in the Cold fitt but in hott climates they are  
fatal in the hott fitt. But old People labouring  
under Quartans, are most commonly carried off  
in the Cold fitt. The Duration of this fitt is very







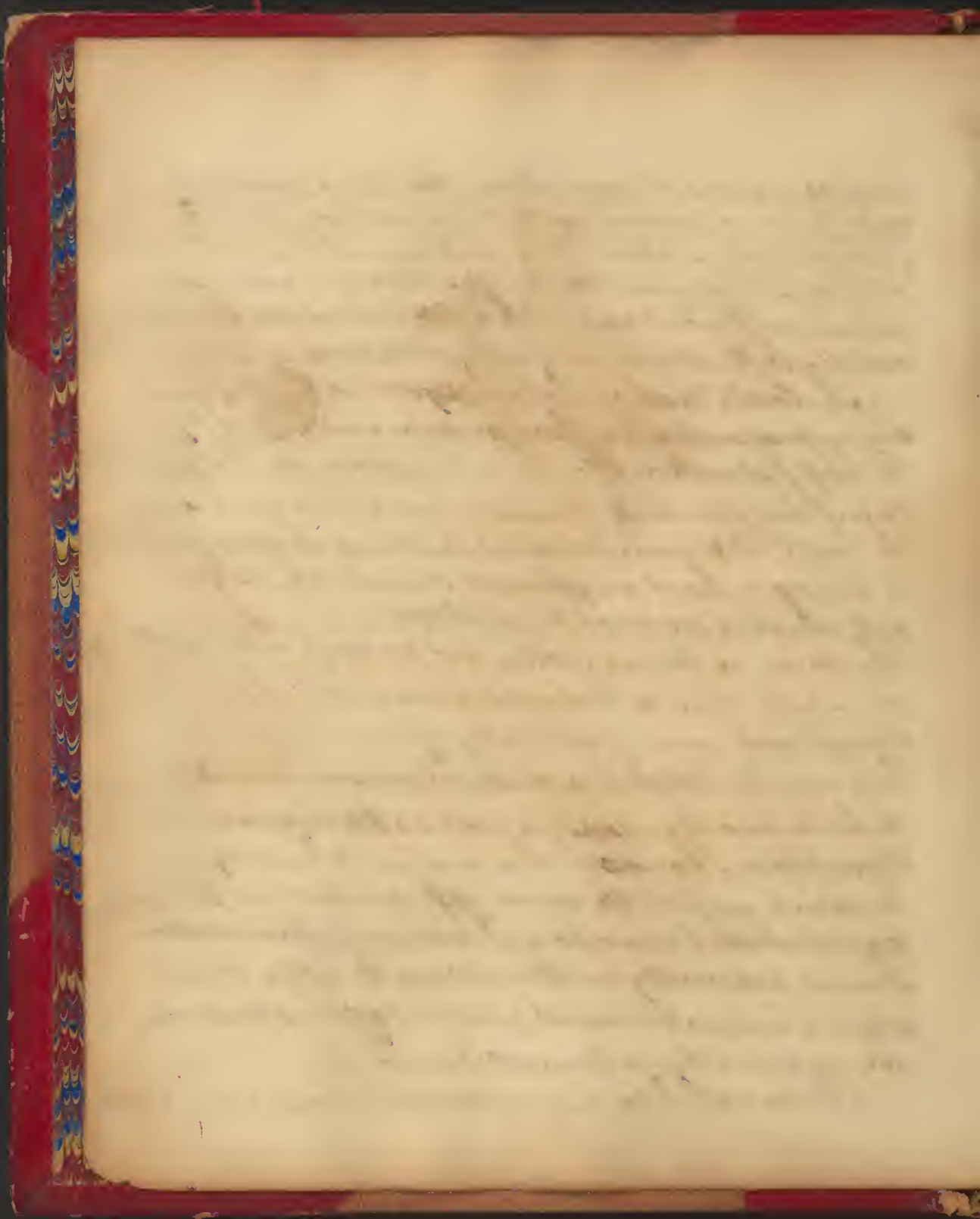
very various and uncertain, tho' it is generally said to be in proportion to the preceding cold fit. If the patient is bled we will scarce discover any obvious difference in its appearance, sometimes indeed we find it so much discoloured as not to separate into Crassamentum and Serum.

The last stage of the Paroxysm is the Sweat, and in proportion as this spreads over the Body the hot fit wears off. Its Duration is likewise exceeding various, for sometimes it begins with the hot fit & in such cases the skin is often found to be dry without any sweat succeeding the hot fit which is no good Symptom.

The Urine is found frothy and as soap was dissolved in it, but as the sweat advances the Febrile Symptoms wear gradually off and the Urine begins to let fall a laevitious sediment which has been considered as a Pathognomick Symptom, however this cannot be justly said because we find the same appearance in the Urine of scorbutick Patients and in some Inflammatory Fevers especially in Pleuritis. We often find a caltharous sediment instead of this laevitious one, especially in Kernall Agues.

The Duration of Intermittent Fevers is very







various & uncertain. Vernal Fevers commonly terminated from 5 to 9 Revolution, seldom so soon as five or more than nine.

Autumnal Quartans especially in old people generally last till the turn of the season or Spring, when we are perhaps a whole Year, but in young they commonly go off about the winter Solstice. Children on account of their weak lax habit continue long in these Fevers.

It is generally said that Quartans last longest or have the most numerous Revolutions, some have been said to continue 22 Years, tho' I'm apt to believe there have been Obstructions in the abdominal viscera, which afforded a constant cause to the Disease.

It is a generall observation that Intermitents last in proportion to their Intervals, or that if their intervals be short their Duration will be short. That therefore Vernal Agues & tertians soon go off even of themselves with the warm weather, whereas Quartans continue much longer commonly half a Year & sometimes more, but then it never returns, and a man that has once had a Quartan will never have a





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another in his Life. But this cannot be depend-  
ed on as a generall Rule?

These Intermittents have often very Salutary  
Effects on the Constitution and have been said  
to contribute very much to Longevity, and that  
People who have had a Quartan, & got well over  
it, live very long.

They have been often observed to carry often-  
tively many Period. Nervous Disorders, as  
Head aches, Pains, & that they had this Effect was  
plainly proved by stopping them with the  
Bark, and immediately these Disorders  
returned.

Tertians have been reckoned the most Sa-  
lutory in their Effects on the Constitution & sel-  
dom prove fatal unless in very warm Climates.  
Nay it is said that during the Plague those  
who laboured under Tertians were not infected  
with the Contagion.

Tertians are said to cure Stomachic Disorders  
Obstructed Menstrua, especially in Liver & Spleen  
Rheumatick Complaints, Epilepsy, Palsy, & Affec-  
tions, and the Gout and Stone have been observed  
to be alternate with it in their Revolutions  
or Periods which as it hints some sort of Remedy





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Connection with these Diseases should be particularly attended to,

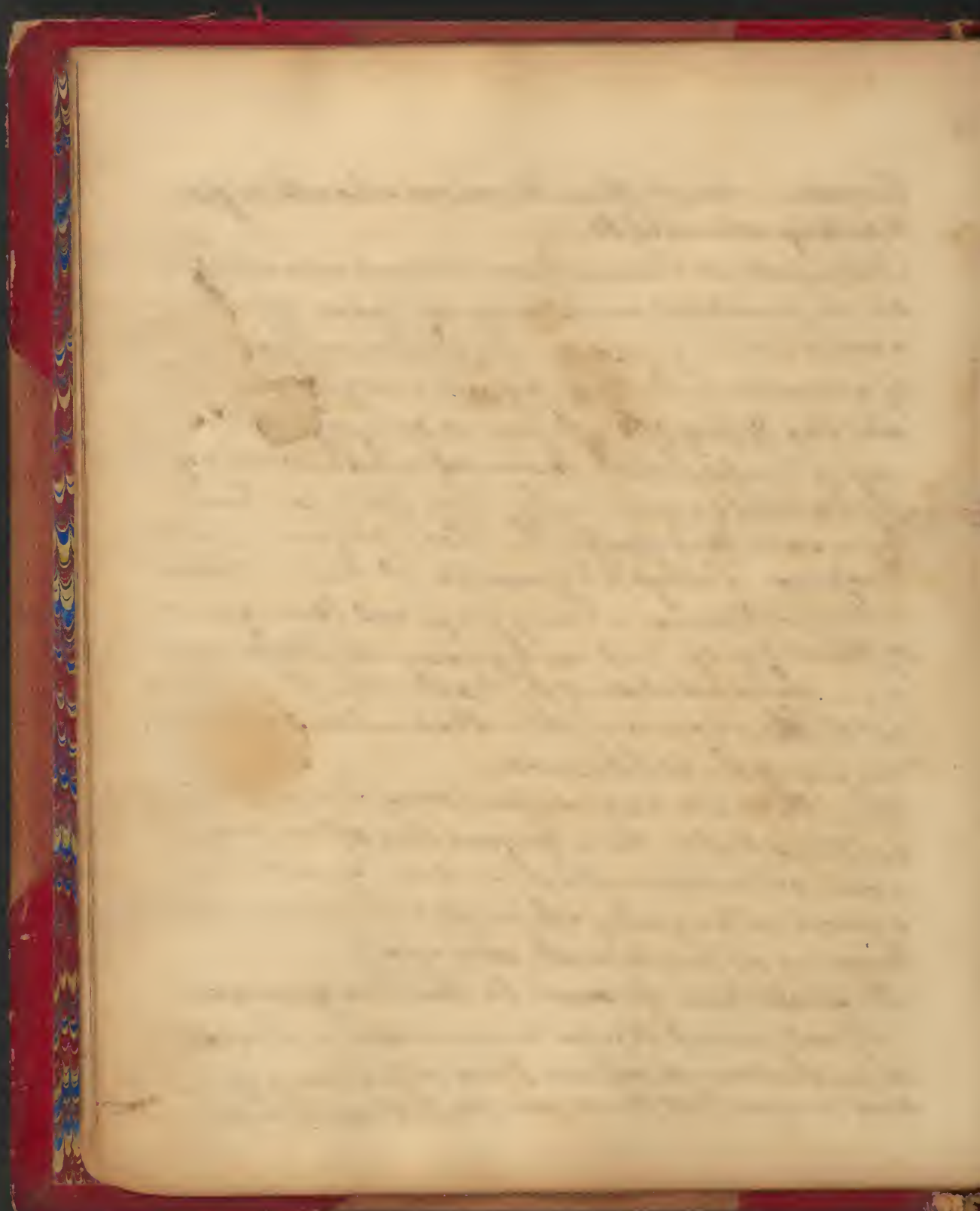
Intermittent Fevers have sometimes bad effects on the constitution and are the cause of many obstinate Diseases. In Children they frequently occasion the Rickets by rendering them weak and lax, & they often leave an opening of the skin and a Disposition to sweat which irritates the Patient exceedingly. They likewise have been said to dissolve the Blood & hence cause Dropsies, Scurphlegmatica, &c. Obstructed and enlarged Spleen, are very frequent Consequences of these Agues, but are by some said to proceed from the Exhibition of the Bark which is not at all the true Cause of these Obstructions & Enlargements of the Abd. Spleen.

When Patients have suffered considerable evacuations before these fevers they often labour under a Diabetes after them and sometimes a particular sort of Madness or Delirium which however as they recruit, wears off.

We shall now proceed to the Prognosis

If autumnal Agues begin soon in the season as in the month of June they will be very Epidemic and in general the sooner in the season they begin







begin the more Epidemical they are observed  
to be, and the more fatal, for Quartans, that begin  
early carry off vast numbers, of old people.

There is a swelling of the Belly, not a Dropsical  
one, that is very salutary and criticall, for as  
this advances the febrile Symptoms grow less  
violent and the Ague goes entirely off.

There is likewise reason to think, that this  
swelling is rather owing to Flatulencies in  
the Colon than obstruction of the Viscera.  
We often find a particular swelling of the Legs  
prove a very salutary Symptom.

The most fatal Symptom about the end of Ague,  
is a sort of Angina we begin with an Inflam-  
mation of the Tonsils, a Difficult Deglutition  
succeeded by *Facies Hippocratica*. This commonly  
appears about 2 or 3 Days before the Patient's  
Death & is a certain sign of his approaching  
Fate. A natural Salivation has been known  
to carry off this disease.

The small Pox appearing during the Course of  
an Ague very often proves a cure for it, and some  
sorts of Itch have the same Effect. By Itch I mean  
any Eruption with Itching and oozing of water.





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Pustular Eruptions about the mouth and nose at the End of Intermitents, and Abscesses in any part of the Body are generally esteemed very favourable Symptoms, but about the beginning they presage no good.

The most Dangerous Paroxysm in Intermitents is that which is not preceded by a Cold Fit. Bleeding at Nose is reckoned a very good Sympt. in the hot Fit.

If the summer has been wet we may generally expect to find the Intermitents very distinct and apt to return upon the slightest occasion. After Agues we often find swellings of the Belly and Legs, which are not very Dangerous in general; but they are more so in Quartans than Tertians.

In Agues we often find the Pulse small and depressed which if attended w<sup>th</sup> Pains in the Praecordia and Anxiety is very Dangerous, but if these do not accompany it, there's little hazard as it's merely Nervous. At other times we find the Pulse exciting slow and full which when the Animal or Vital Functions are disordered as in Dropsy Cases may be generally reckoned a fatal Symptom.







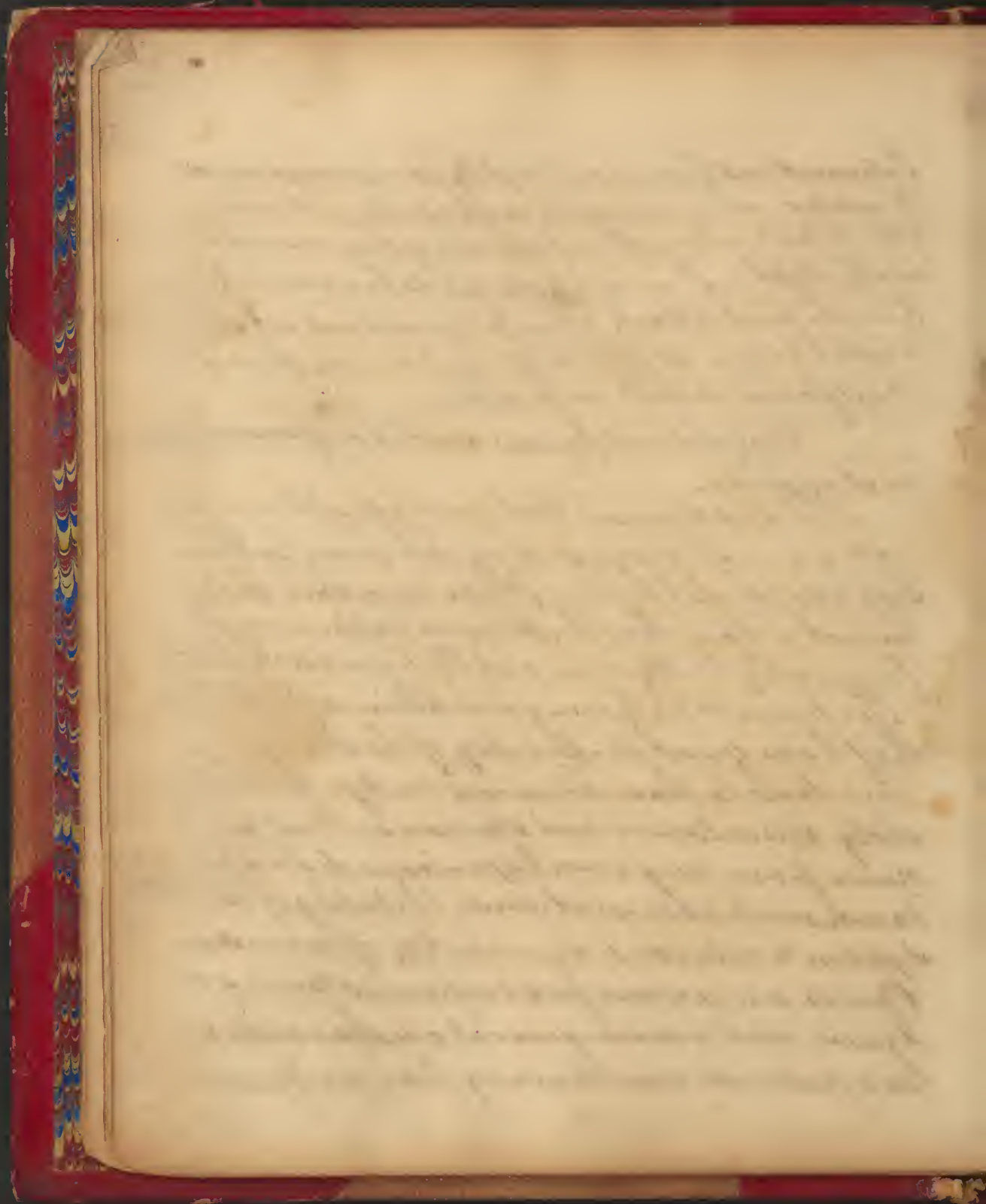
Intermittent Fevers are highly dangerous in warm climates, when connected with a putrid Diathesis of the blood, which often happens if they are not timely stopt. It is impossible to know certainly from the first attack of an Intermittent what particular genus it will be of, Galens marks a unit as all found to hold in practice.

Antecedent Causes and Predisponent come next in order.

And it is observed that young people in general are most subject to Agues more so than Infants, or old People. It has been said tho it is not certain, that Quotidianos happen most frequently to Women and Phlegmatick habits. Tertians to the Young and Actives and those that have great Sensibility of the mind.

Quartans to those advanced in Age, the Melancholy Speculative and Studious. But I could never from my own Experience have laid down such observations. Debility of the system & extreme Sensibility of Nervous Power are certain predisponent Causes of Agues, and a more general one than either is a patients once having had an Ague the







before, particularly a Quotidian or Tertian.

We next come to the Occasional exciting causes, which I shall divide to several heads. First Errors in Diet and Regimen, as food of very hard Digestion, every thing that hurts the Digestive faculties, as hard drinking. At some time one going into a country where they are very Indemne as Holland, living a little more fully & drinking a glass more than usual, tho' not to excess I know from Experience to be very useful & the best preservative.

Among the Occasional causes the most powerful is the catching of Cold when the Body is heated & particularly when the Cold is attended w<sup>th</sup> dampness as the Night Air sleeping in a damp place, but simple cold Air without these circumstances, will scarcely produce an Ague. Excess of Fatigue, or watching frequently bring it on, Excess of drinking & watching always tend to debilitate the Constitution, and also disposes to catching Cold the one an Antecedent the o<sup>r</sup> an occasional Cause of this Disorder. I don't say that these Occasional causes are of themselves suf-







21.  
sufficient to produce an Ague but only where there  
is a predisposition or epidemic tendency to it  
in the Air.

α. Violent affections of the mind, all the depressing  
passions, as Fear, Grief, by depressing the Visc  
Mota, occasion this Disease

β. Suppressions of usual evacuations, and  
very violent evacuations, are often occasional  
causes. Sometimes the Violent Action of a Catarrh,  
tick, and repelling spontaneous Eruptions when  
the skin produces it.

γ. The next occasional Cause is a particular state  
of the Air especially a Damp state and along with  
that, Putrid Exhalations. Easterly winds are apt to  
induce the Ague, especially in those who have had  
it before, and they have in general a remarkable  
Effect on such. It is commonly thought that the  
Easterly wind occasions this by being more damp  
but that this is not always the case appears by  
the Hygroscope, it having these Effects when  
it is exceedingly dry. Some say that dry season,  
induce Agues, and this may be the case as the Air  
may be very moist without rain and rainy  
weather is not always the moistest. For Air  
seems to be a Menstruum in which the water is





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is suspended, and therefore like other Menstrua will take up more when warm. But rain stops exhalation. Hence there will be most Dampness in the Air in the warmest weather, and hence too much Moisture falls in the Night in very warm weather.

§. Agues are Endemic in many Countries, particularly in fenmy swampy Countries in Scotland called *Largers*. This arises from the great exhalations of water. In some parts of England a Quartan Ague is the most obstinate, and the most frequent, but in Scotland they are very rarely met with. Many Countries have no Agues as particularly a sandy, hilly, gravelly Soil. Intermittents & Remittents are Universal Diseases in all the warm climates, and generally speaking in the Autumn. It is observed they prevail more in the East Coast than in the West of Great Britain, What is remarkable in some Countries where they were formerly unknown they are now become Endemic and the contrary. This can often be accounted for from the Change in the face of the Country, as by clearing away the woods, but it happens also independent of this.



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8. Another Occasional Cause is a certain Disposition of the Air in consequence of which the Disease becomes Epidemic. This has often been ascribed to an alteration in the sensible Qualities of the Air, but this is often not the case.

They become Epidemic chiefly in Autumn & Spring, but in Countries subject to Inundations they rage with greatest Violence just when the water is near Drained off and the Exhalations are then exceedingly putrid from the Rotten Vegetable & Animal Substances especially in warm weather.

9. Independent of any particular Constitution of the Air, it would appear that in some Cases the Disease is contagious & infectious which is very positively asserted by many Medical Authors but I never saw it happen. In general however they are not to be considered among the Infectious Diseases.

We next come to Morbid Dissections, which in general throw no light at all upon the Proximate Cause of the Disease. They only show those Alterations that have taken place in consequence of the Presence of the Symptom.



Handwritten text in a cursive script, likely from a 17th-century manuscript. The text is arranged in approximately 20 lines, though the handwriting is very faded and difficult to decipher. The script appears to be a form of early modern English or French cursive. The page is numbered '2' in the top left corner. The text is written on a single leaf of parchment or paper, which is part of a bound volume with a red cover and a decorative marbled spine.



Symptoms. They shew a great accumulation of greenish Blood in the heart, Lungs, and great Veins. The Stomach & Guts are generally found distended and the Abdominal Vessels obstructed and enlarged, and often Abscesses are found in the Liver & Spleen, all which are owing to the Blood being thrown in greater Quantities into the Internal parts of the Body during the cold Fitt.

The Stomach & Guts have been found overflowing with Bile of which in these Fevers there is observed to be an immoderate secretion.



Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is arranged in approximately 12 lines, though the ink is significantly faded and the handwriting is difficult to decipher. The script appears to be a form of early modern English or French cursive. The first line begins with a capital letter, possibly 'A' or 'L'. The text seems to be a formal letter or a legal document, given the structured nature of the lines and the use of capital letters.



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15. We come next to treat of the Proximate Cause, and I shall take this opportunity to explain my Sentiments on the General Proximate Cause of Fever. According to Boerhaave's Idea of Fever, which he makes to consist only, in an increased quickness of the Circulation, or Contraction of the heart, with an increased Contraction of the Capillaries, we should have nothing to account for but the increased quickness of the heart, which might either depend on its increased Sensibility or an Increased Stimulus applied to it.

But there is something more than this. There is an evident Debility of the Animal Functions, and an increased heat of the Body. We must therefore be perfectly masters of Muscular Motion, the Cause of Animal heat & the Nature of the Nervous Influence or power, which belong to the Physiology, but I will say that no full Account of these things has ever been made at least to my satisfaction.







a. Fever has been by many considered as merely an Effort of Nature to throw off some thing morbid or hurtfull to the Constitution which however would in many Cases appear to be an Hypothesis not founded in fact; tho' in many others it is an undoubted truth. When a fever does once subist that there is an Effort of Nature to throw off this I willingly acknowledge.

3. The Stomach and Liver are considered two principles in Fever, viz something that has a Tendency to destroy the Purveyor, Power, and the other an Effort of Nature to throw off this morbid Cause.

Y The full proximate Cause of Fever must be such a one as when present, constantly and uniformly produces its Effect; if not so it will be only an exciting Cause.

There often appears to be a predisposition especially in Intermittents, which lies long latent in the habit, here the Union of this with the Occasional Cause may constitute the Proximate Cause. But the quiet





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great Difficulty is what part of the habit is morbid in this case or forms the Predisposition; and another Difficulty is, the cause of the Periodicall Return of Intermit. Fevers

D. In searching for the cause of Fevers we look for it in something vitiated either in the Solids, the fluids or the Nervous System; This includes vitiated Secretions and increased Determination of Blood and Nervous power. It is never alledged that any visible change in the Solids can produce Fever. It has been sought for in the fluids, & the general Theory has proceeded upon the Supposition, that something morbid here acted as a stimulus to the heart; we shall therefore enquire into this supposed Return of the fluids which it's necessary to do as the Practice has been very much adapted to it.

E. Supposed in the first place from Lentor because in all fevers there was a morbid Lentor in the Blood, in consequence of which a Deposition in the Blood to stagnate





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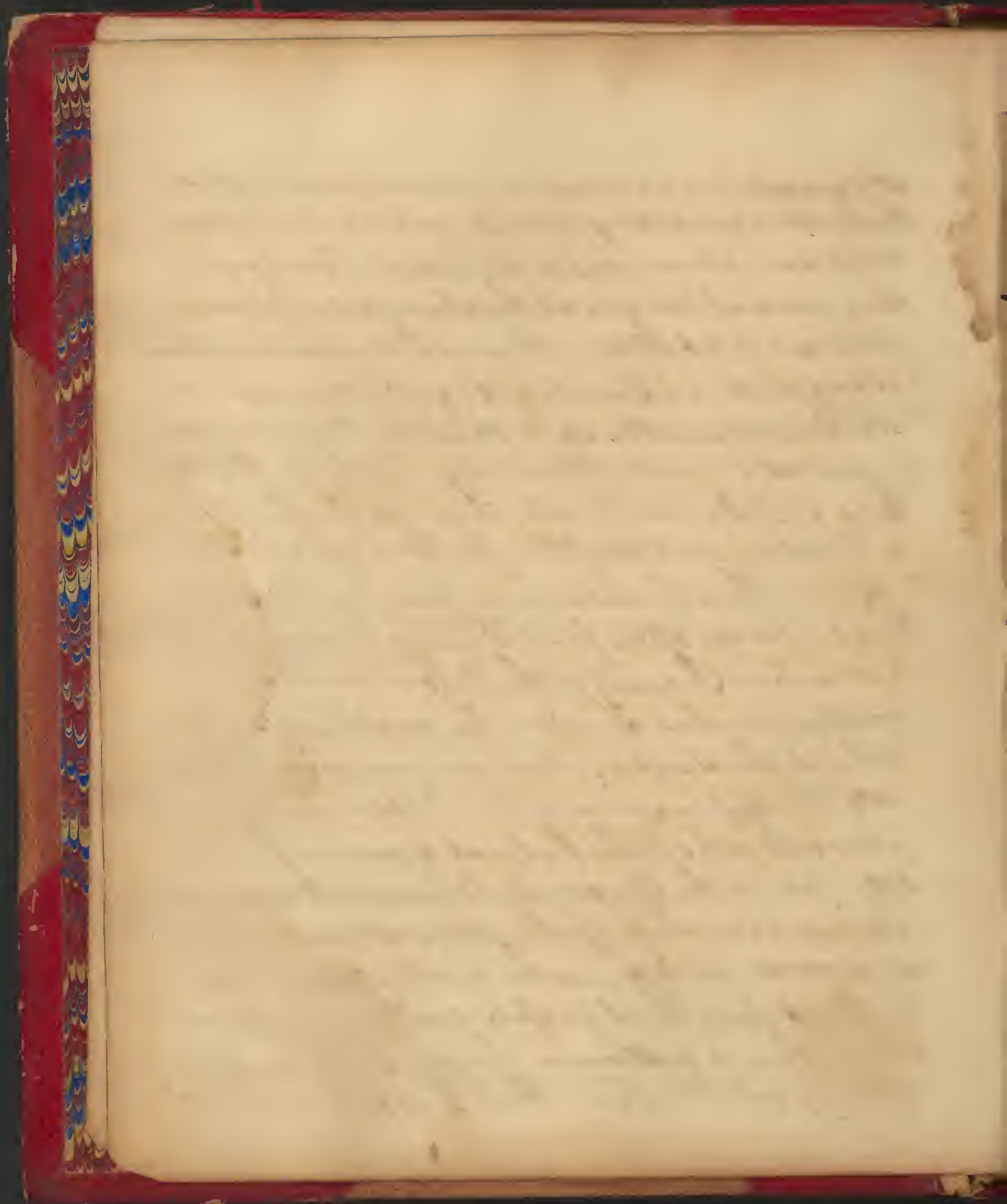


Stagnate, or at least to move with Difficulty thro' the Capillary Vessels, which resistance acted as a Stimulus to the heart. By Lentor they meant too great thickness or Cohesion of the red Globules. This is Boerhaave's Theory along with an *Inertia Liquid. Nervos.*

It has been also said that the Blood is of different Degrees of Density, in the diff. Species of Intermittents, that it's thickest in a Quotidian & most Depalved in a Quartan.

3. This however is purely Hypothetical, for we often find Fevers connected with a morbid Density of the Blood as well as with a morbid Lentor. The matter also from which the Supposition is commonly taken viz<sup>t</sup> the Appearance of the Blood, are often present when the Patient has no fever at all; as in the Chronic Rheumatism, in all women with Child, almost in every person on snow or less, in the winter time. Yet we don't find that people in those Circumstances are a bit more liable to fever than at any oth<sup>r</sup> Period. This therefore cannot be





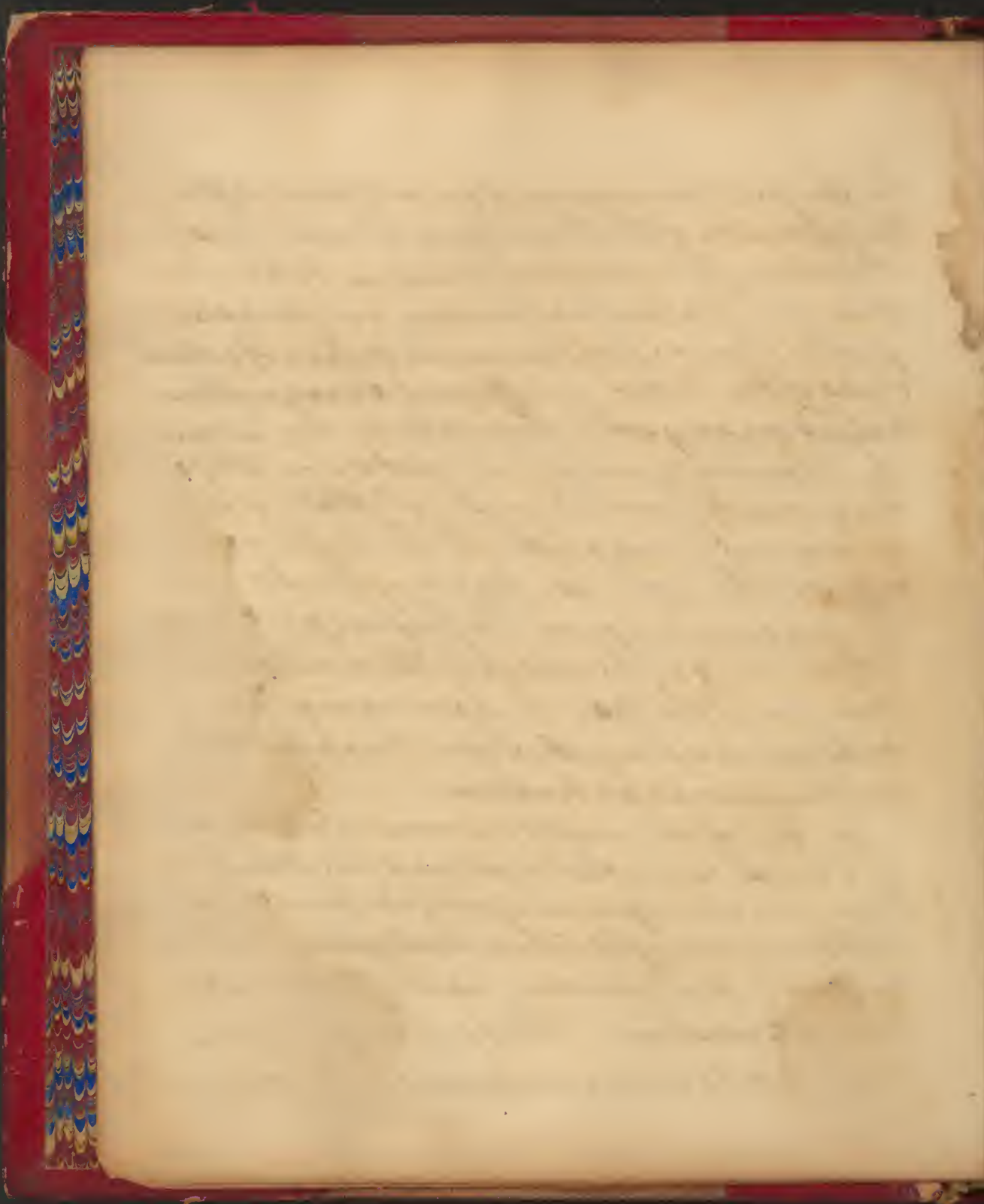


be the full proximate cause of Fevers from  
the Definition of the Prox. Cause already given.

Besides Hydriphic people whose Blood is  
thin and of a looser Texture are often sub-  
ject to Agues. Neither is the Notion of different  
States of the Blood in different species of Agues  
raised on any solid foundation. For in Agues  
the Blood in general does not seem to depart  
very much from its natural state, except  
in several cases a little to the Inflammation  
& putrid & catarrhis. Again if it were  
the proximate cause, the proper Cure of Agues  
would be by Diluents, and Attenuants, but  
this is not the case. We have many cases of  
an Ague keeping its Type, through the Course  
of a mercurial Salivation.

17. One of the most common exciting cause  
of Fevers is an obstruction of the Perspiration:  
Sign, an consequence of which they say a  
Pothora is brought upon the System and the  
retained Acid perspirable matter acts  
as a Stimulus. That cold, when a person  
is heated is a very general Cause of Fever



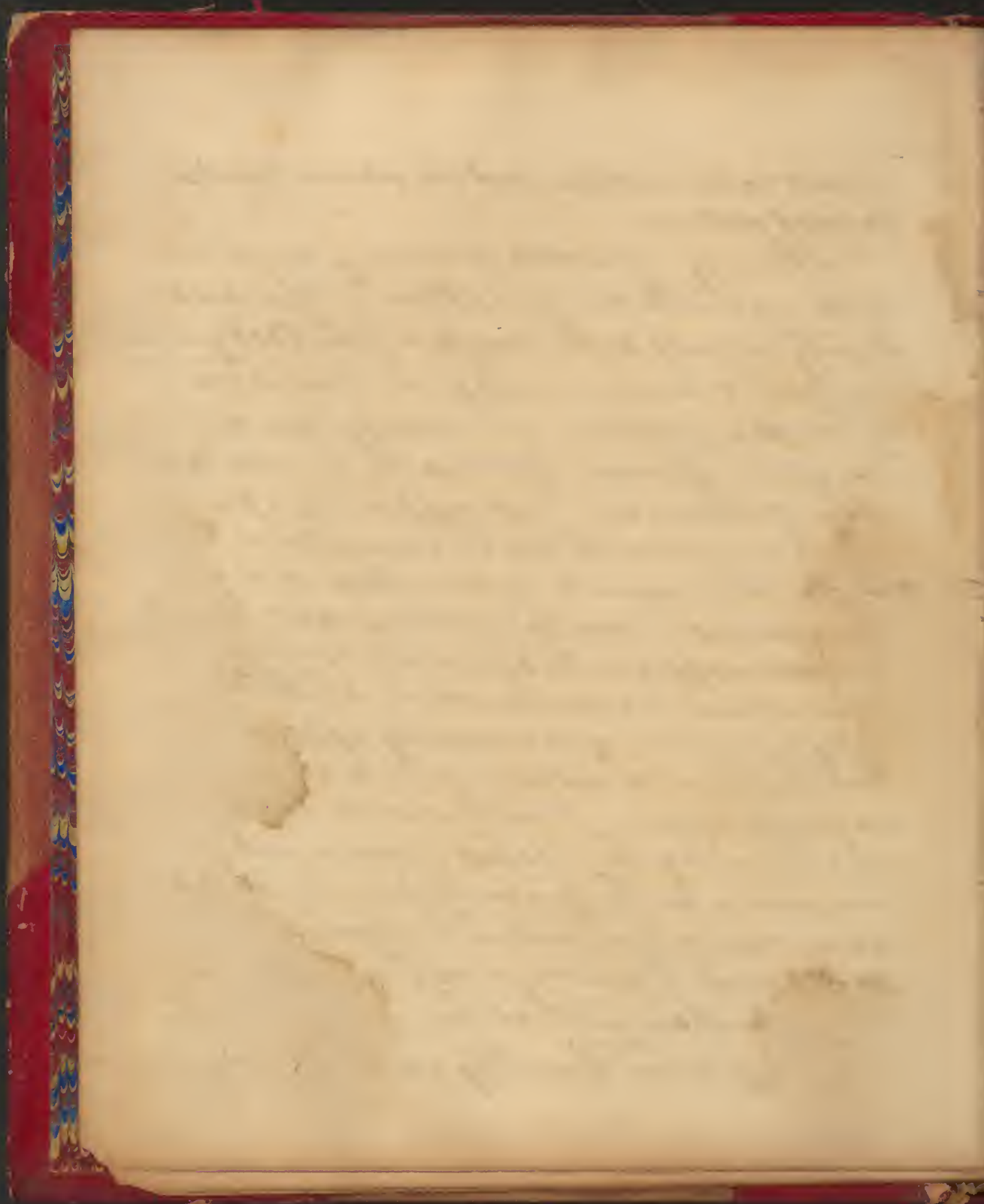




is not to be doubted but the above Conclusions  
do not follow.

It's very difficult to form any conclusion  
with regard to perspiration, as there are cer-  
tainly vessels on the surface of the body which  
inspire & therefore unless we know the Qu<sup>ty</sup>  
of matter inspired, we can only know the  
Excess or difference between the Quantity per-  
spired & inspired. But supposing a sudden  
check is given to the Perspiration, there  
is great reason to believe that it would  
be increased in other parts proportionally  
or if we suppose the spasmodic structure  
to be extended over the whole <sup>surface</sup> system  
may we not very reasonably apprehend  
that the other secretions will be increased  
in proportion. But the simple Plethora  
occasioned by the retained perspirable matter  
can never be the cause of fever by itself,  
as in many cases where we know Plethora  
is present it produces no Fever. Besides  
it is to be observed that there is not always  
that very acid Quantity in the Perspirable



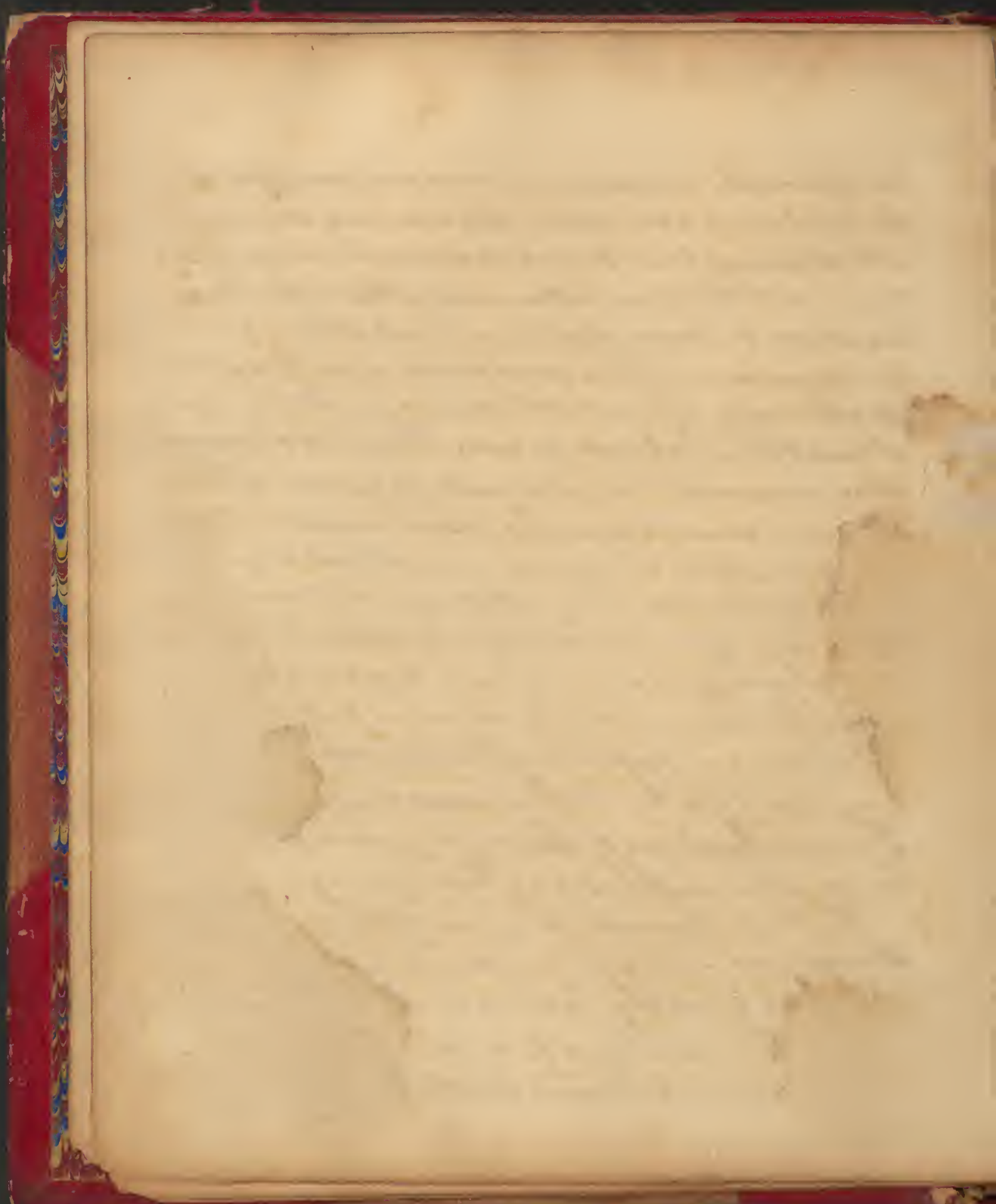




121  
perspirable matter commonly supposed;  
for it is very variable; greater in a warm than  
cold Atmosphere & in a warm than cold sum-  
mer. All the Secret taken together the Pers-  
piration & Urine balance each other, and in  
consequence of this some Medicines prove either  
Diaphoretic or Durescent according to the Degree  
of heat the Patient is in. These two I would  
also resemble very much in point of Qua-  
lity. Now we know that the Secretion of Urine  
may be stop'd a long time without any bad  
Consequences, being otherwise balanced; &  
that even after it is secreted into the Bladder  
yet when a person is much heated as in dan-  
ger, the whole shall be absorbed into the Mass  
of Blood, and pass off by Perspiration without  
any bad Effects. We know also that the liquid  
Feces, which are of the most putrid kind, may  
be absorbed without any bad Consequence.

The Bile too which is one of the most Acid  
Secretions, may be reabsorbed and the Mass  
of Blood greatly loaded with it as in the  
Jaundice without producing any Fever  
Moreover in a Room full of Company, it is





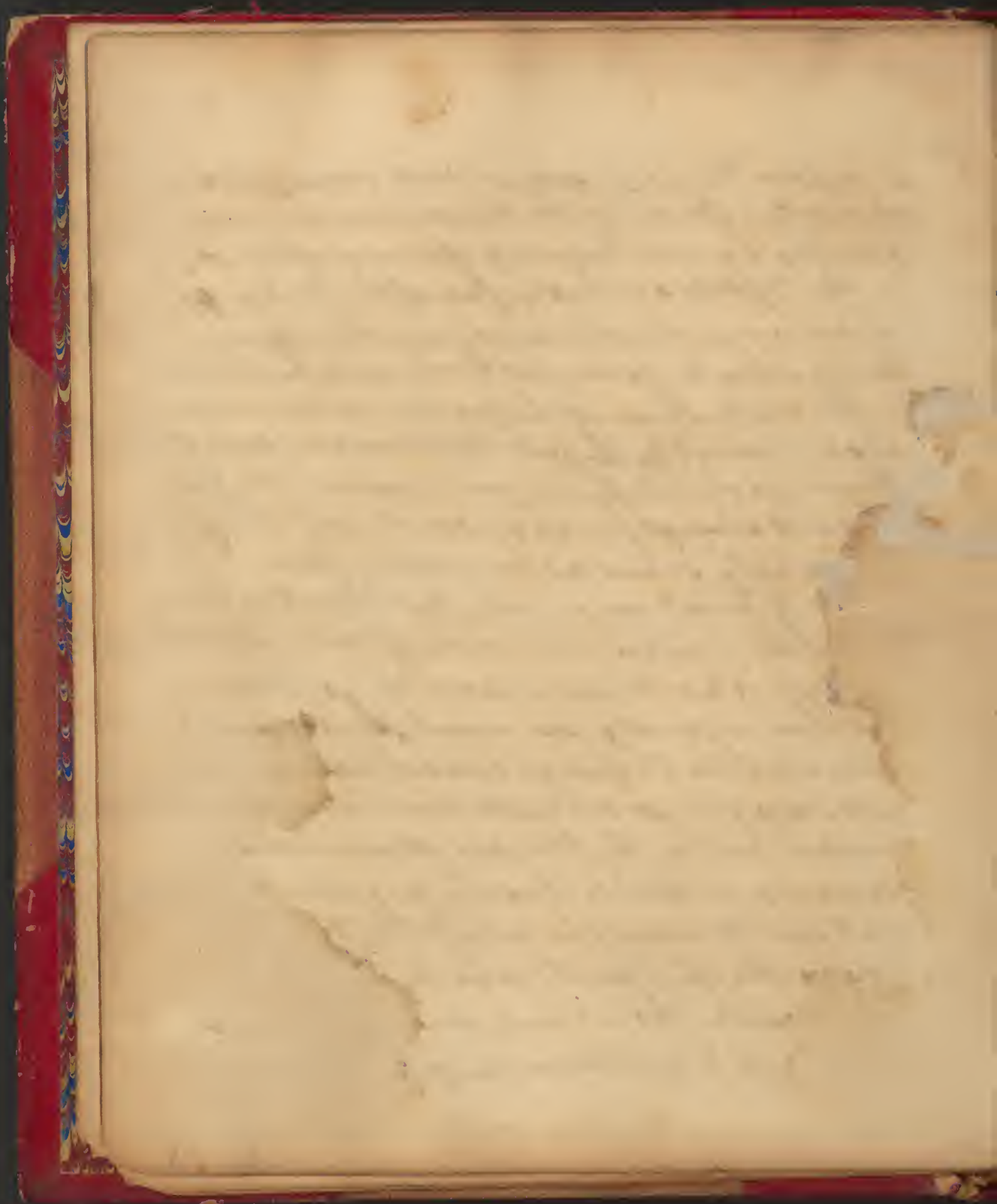


is certain the perspirable Matter must be very copiously diffused in the Atmosphere and consequently a great Quantity of it must be inspired in the Vessels on the Surface of the Body, yet no one is generally hurt from this Cause. tho' he may be going sud<sup>ly</sup> into the cold Air.

The Retention of the perspirable matter also, cannot be the full Proximate Cause of Fever, particularly of Agues, because, the Effect does not always proceed from it and therefore it only serve as an exciting Cause.

In general we ascribe too much to Perspiration and are too much afraid of it, tho' even Sanctories suckons it  $5/8$  of the Influx but this is greatly too much, In several cold climates the People go almost naked, and yet enjoy Vigor & Health and in warm climates, where the Perspiration is more copious and humid, it is the practice in many Nations to cover the whole Body over with a very thick Paint, which must stop it very much, tho' it will penetrate some. In on Siles, & yet these people do not at all



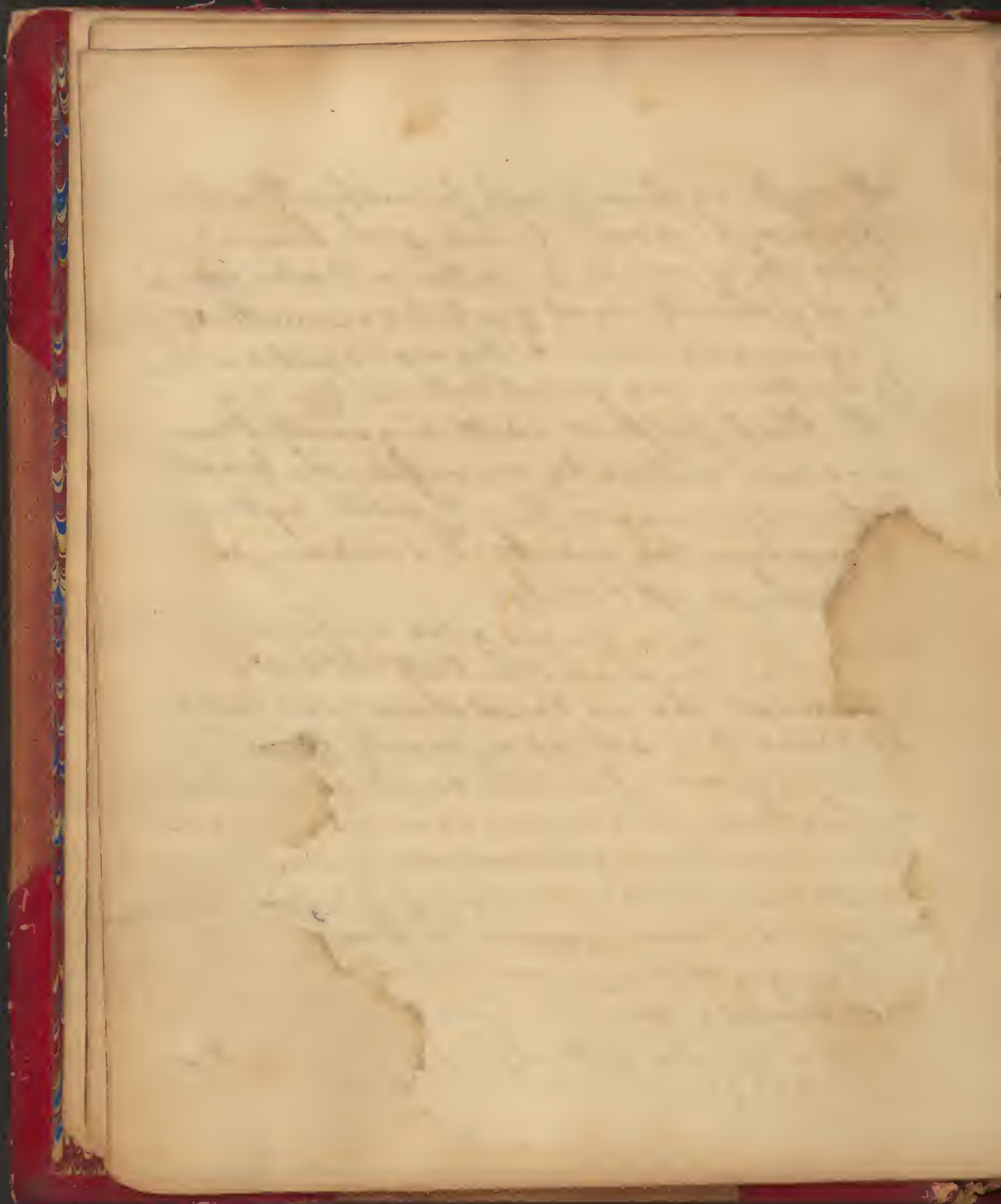




all suffer in their health from this Practice  
Besides the most delicate of the human  
kind the women keep their Nates & great  
part of their breast quite bare, without  
any inconvenience tho' no doubt in these  
cases there is a great Dole in custom.  
The Prepossession with regard to Pers-  
piration certainly enervates the Consti-  
tution of many in this Climate by keeping  
the noilves too warm & such a general  
state the most richly

In some fevers also we find the  
pores too open and the Patient dissolved  
in sweats tho' no doubt then generally  
appears to be a suppression of Perspira-  
tion in fevers from the dry parched feel  
of the Skin. If it were true likewise that  
this were the most common Cause of Fever  
we should find Fevers prevail most in the  
Summer time because the Perspiration  
is then greatest and most liquid & the habit  
more mobile, and therefore more subject to  
sudden checks of Perspiration. But this  
is not the case







Not a little Plethora that could be induced  
thus, it must be soon removed by the Evacuations in the beginning of Fevers and the  
Total Abstinence from food. See Kenna. &c  
on this Subject in a late Essay of D. Chalmers  
of Charleston.

16th It has been said again that Fever  
is owing to Putrescency in general, this  
they prove in the first place from Agues  
prevailing most in consequence of heat &  
moisture which much encrease Putre-  
faction. 1st. that any Putrid Ferment acts  
as an aperculating Ferment and so pro-  
duces Fever. 3rd. Because Agues are cured  
by evacuating putrid humors and by  
Antisepticks but. Putrescency alone is  
not sufficient since we sometimes as in  
stomach find it in the highest Degree with-  
out fever. 2nd. There are fevers and Agues  
without the smallest marks of Putrescency  
and they often arise suddenly from violent  
affections of the mind from catching cold  
and have the Inflam. instead of Putrid.





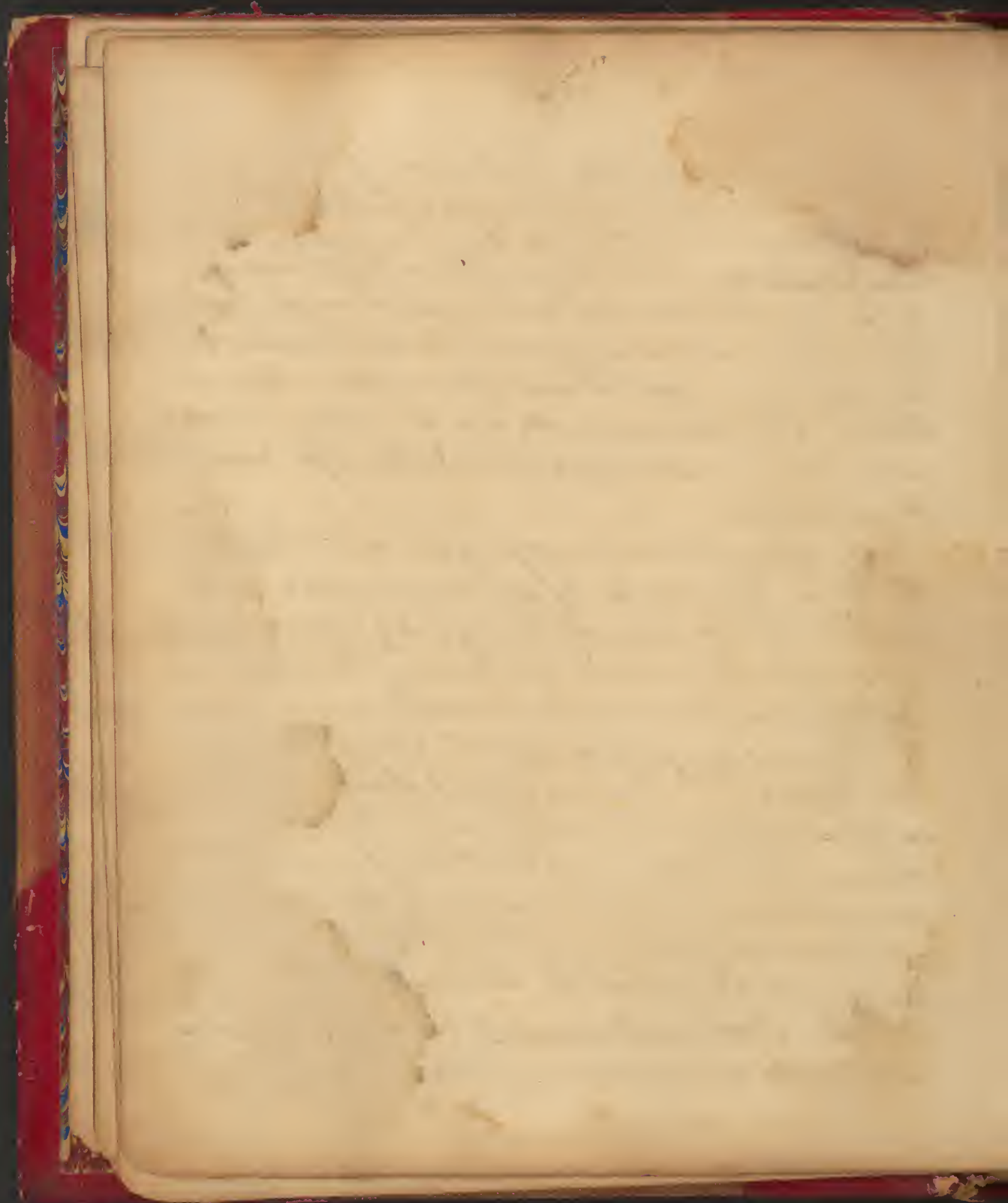


Patent Leatherns; 3 In the Island of Formosa a  
where the Atmosphere is moist & hott & full of  
Fetid Effluvia; there are no Intermitents; 4. In  
Intermittents are cured by violent Purgings of the  
Stomach by Electricity, & the Parts before any  
Alteration could be supposed to take place in  
the Alteration of the Fluids from their Putrid  
State. 5<sup>th</sup> Intermitents are cured by Testaues  
which are certainly Emetic & therefore induce  
Putrefaction

There have been assigned other causes  
of Fevers particularly of Intermitents & a  
putrid Bile or vitiated any way; some Disorder  
of the stomach Liver or Duodenum; this is Senac's  
Hypothesis he reasons thus

1. There is generally a great swelling of  
the Spleen 2<sup>nd</sup> There is a great Secretion & Ab-  
sorption of it as appears from the Eyes & nose  
& Skin. 3<sup>rd</sup> It appears that the Liver & the  
menal Vessels & particularly the Stomach  
are the Seat of many of the Symptoms & in  
those that have died the Stomach has been  
marked. But in Answer to this the Pleth could  
not be so soon removed by the Parts







without reasoning any evacuation & we  
do not find a Redundancy of Blood produce fever  
vago; as in the Cholera Morbus & Jaundice  
In the next place Emetus & Cathartics which  
evacuate the Bile, have the effect of rendering  
Intermittents more obstinate & the yellow  
ness of the skin & salacious Sediment softer  
wanting; further it will appear that Ob-  
structions in the Liver is rather the cause than  
the consequence of Intermittents; & indeed  
were it owing to Bile the Disease ought to  
be continued some time after always & sub-  
sides the Effects should always follow; however  
tho' the Disorders of the P. V. be not the full  
Proximate Cause of the Fever yet they may  
be reckoned external & ruling Causes

Next Morbid Matter with an Irritating  
Power has also been supposed the Proximate  
Cause of Fever; they also suppose a certain change  
effected in this morbid Matter preparatory to  
its Expulsion, which they are pleased to call  
Crisis after which it was expelled the Fever  
by critical Evacuations or Absorption



The first of these is the fact that the  
 number of the page is 152. This is  
 the first page of the second volume  
 of the work. The second fact is  
 that the page is numbered 152. This  
 is the first page of the second volume  
 of the work. The third fact is  
 that the page is numbered 152. This  
 is the first page of the second volume  
 of the work. The fourth fact is  
 that the page is numbered 152. This  
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because when there take place the symptoms gradually abate; This Theory at first seems very specious. And that there is such Matter we can doubt as we evidently see it in the most horrid contagious Diseases. Dr. Keble considers it as a certain degree of Putrefaction induced on the Fluids by which they are rendered more & able to, resist the small Vessels. But this Assertion of Morbid Matter is so general & in such terms that we cannot refute it. That there is such a Thing in some Fevers no Body can doubt; but an Intermitter is not clearly & other Fevers particularly but not proved when it could not be proved; they even went the length of determining it to be either Morbid or Acid and according to this Supposition adapted their Practice. But I would observe that these Speculations which carry it off as Morbid; neither does it appear that the matter of putrid Abscesses is putrid more Morbid or Acid, on the contrary the Pus in putrid Abscesses is not at all more or less equal.

Lect. 8



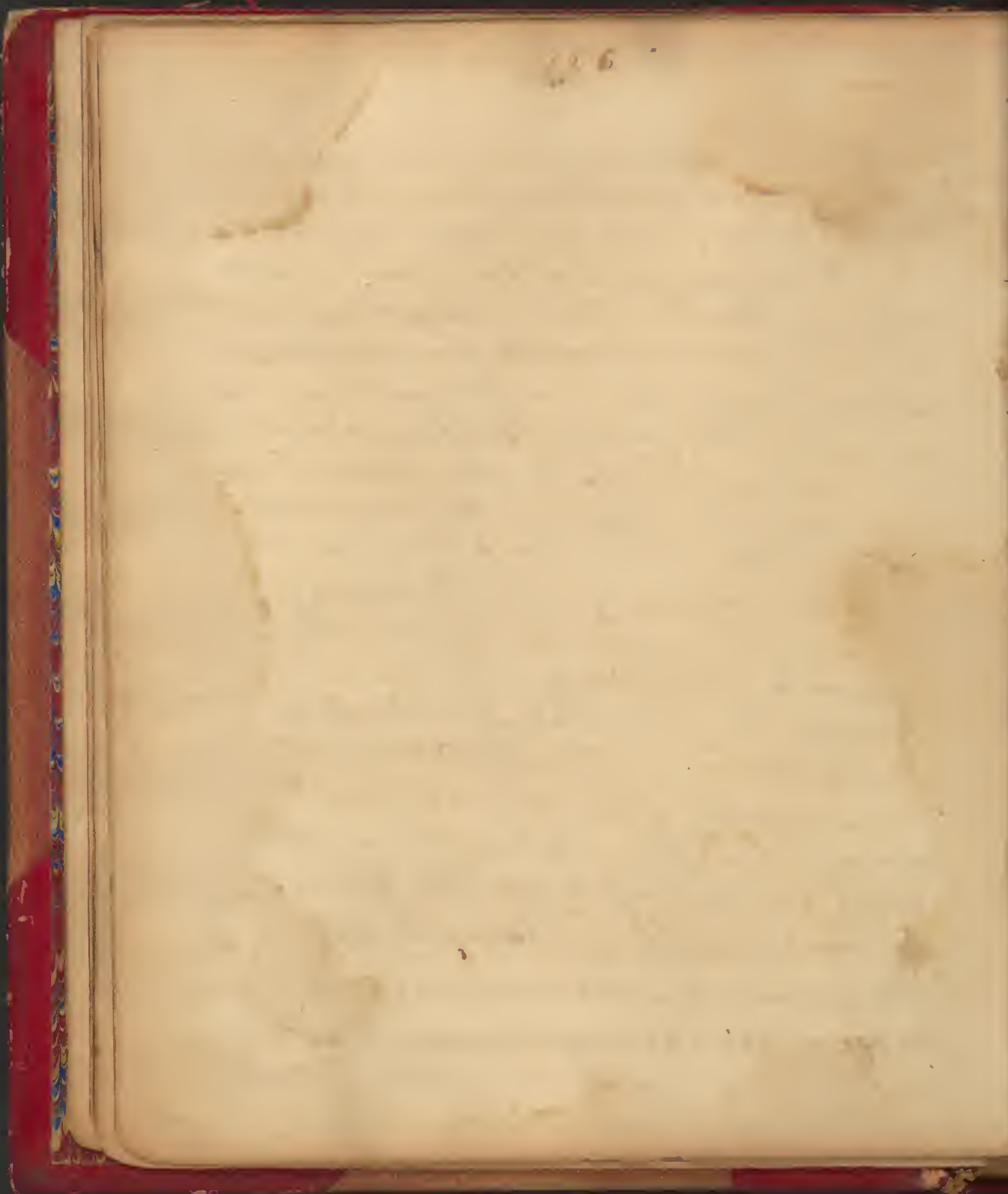
1521



Recd  
Nov. 17  
1769.

It is to be feared that it has been  
ally, unproved that marked matters on  
the State & discharged by the Secretary  
the Prothonotary of the Court; and that there  
was no positive Proof of this only that there  
were no marks coming on the Fines abated; that  
in the elections themselves there was no  
mark of Acrimony; But then a quantity  
of Instances of Fines under the Hammer  
now it can be supposed that this portion of  
the State is unproved contains all the marked bills  
this is altogether against the Laws of the  
Circulation; neither are critical bills  
attended with hopes or critical success  
because there is no sticking on the skin which  
would be the case if this was true; at the same  
time there are often evident marks of  
money when no Fines takes place; you'll some-  
times see the scratch of a Pen for instance  
an Obsolete Bill; Also in the Application  
of Fines when the Sum is so great as  
to excoriate the neighbouring parts yet  
not to ensure, at the same time, a great







proven to assert that there is no morbid matter  
 in the blood; but only that no par-  
 ticular matter can be considered as that  
 can furnish the best indication of cure.

The supposition of morbid matter has led to  
 consequences in Practice very pernicious  
 first introduced by Van Helmont & his followers,  
 and even after the Theory was exploded the Prac-  
 tice continued & a medicine much in Repute  
 is the Pearle Powder which to say no worse is  
 very insignificant. But Sydenham in all (as  
 after) Theory of morbid Acid in the Blood, gave  
 the tartaric Absorbents which often did  
 very much hurt. Dr. Pringle again did  
 not found his Practice upon his own Theory  
 in that of this I would recommend it as one  
 of the best Practical Books I know.

Both regard to this Theory of Putrefaction  
 we may observe 1. That Critical evacuations  
 exhibit no Marks of Putrefaction.

2. Thenness is so far from being a Mark  
 of a salutary critical evacuation, that the very  
 opposite of it. a degree of Constipation & acridity



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



essentially necessary to make a critical evaluation Salutory, instanced in a common Galland Pleurisy & Pneumonia going off when the Menus always acquires a thickety & Repens the same is true of Abscesses Ulcers & the Gonorrhoea

3 I observe that Putrefaction induces Acrimony; yet there are no Instances of the Fluids becoming more Acid as the Action advances.

4. The Bark promotes Coction or the proper Division & Maturation of the Matter & in these small Put Ulcers & Gangrenes which promotes the Suppuration & converts the Matter into laudable Pus; The Bark is a safe & efficacious Remedy. This Theory if just, should lead to a not very proper Practice in Fevers, vizt the giving Scipites in large Quantities & keeping the Patient extreme A, & hot; I do not say that any such Consequences are drawn by Dr Crevier for I think his Practice the best to be met with in any Author what so ever & which I would recommend to your Imitation —



The first of these is the fact that the  
 world is not a uniform whole, but a  
 collection of many different parts, each  
 with its own peculiar characteristics.  
 These parts are not only different in  
 size and shape, but also in the way  
 they are arranged and the way they  
 interact with each other. This is the  
 reason why we find so many different  
 kinds of plants and animals in different  
 parts of the world. It is also the reason  
 why we find so many different kinds of  
 societies and governments in different  
 parts of the world. The second of these  
 facts is that the world is not a static  
 whole, but a dynamic whole, which is  
 constantly changing and evolving. This  
 is the reason why we find so many  
 different kinds of societies and govern-  
 ments in different parts of the world.  
 It is also the reason why we find so  
 many different kinds of plants and  
 animals in different parts of the world.  
 The third of these facts is that the  
 world is not a simple whole, but a  
 complex whole, which is made up of  
 many different parts, each of which  
 has its own peculiar characteristics.  
 These parts are not only different in  
 size and shape, but also in the way  
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 reason why we find so many different  
 kinds of plants and animals in different  
 parts of the world. It is also the reason  
 why we find so many different kinds  
 of societies and governments in different  
 parts of the world.



15. All these Opinions therefore appear to be Hypothetical, and none of them can be considered as the full Proximate Cause of Fever, but all of them may act as internal exciting causes.

As therefore the Proximate Cause of Fever is neither in the Solids or Fluids we naturally seek for it in the Nervous System. I mentioned that Boerhaave added to his Theory the Inertia & Ignorance of the Brain is very Ambiguous & is not a full cause. For we do not find those that have it exposed to Aques in any remarkable manner especially Hypochondriacal People who have also a very great Degree of Sorrow in their Minds.

Pre disposition to Aques is rather connected with too great a mobility of the Nervous System.

The cause then of Fever has been referred to a spasmodic Constriction of the Capillary Blood Vessels by the Stahlian & Hoffman. That there is such a Constriction especially on the surface of the Body appears perfectly evident in the Cold Stage of Fever; which is said to act as a stimulus to the Nervous System & produce the Cold Stage & that the Continuance of this Spasmodic Constriction was







the Proximate Cause of Fever. But still we may ask what causes this spasmodic Action, this has been referred to Debility of the Nervous Power or Sensorium. That Spasm is often connected with Debility & alone is very certain but I think not inseparably. For the evident constriction of the capillaries in the Cold Pitt appears only at the beginning of Fever when the Patient is still Vigorous. There is indeed a Debility of the Nervous power which is not connected with bodily weakness, for we often find people after a long Fever reduced to the greatest Degree of weakness & yet enjoying very good Health. The Debility of the Nervous system again is particularly connected with Spasm tho' it often also produces Palsy, as therefore Debility may exist without Spasm & this without Debility; this cannot be the full efficient cause of Fever.

But supposing this the Cause the Question still remains what produces this Debility of the Sensorium? but for what I know this has never been attempted to be explained

Supposing the Spasm in the beginning of the Fever to produce the Cold Pitt; it does not appear that







that the Cold-Bath produces Fever, for then there would be no Fever without a preceding coldness, but we often find Fever begun without any preceding Rigor, or apparent constriction of the capillaries. Also if the Fever were entirely the consequence of the Spasm when the cause was extinct so ought the Effect to be, but this is not the case always for there are some Instances when the very Reverse takes place particularly in some Intermittents 2. Spasm & Coldness of the Surface does not of itself produce Fever; for the application of external Cold evidently produces Spasm, but this only an agreeable warmth & not Fever, as in the case of a Bathing. 3. During some Fevers there are no Apparent marks of Spasm in any part of the System, except you consider the increased Contraction of the Heart as such & the Patient is constantly sweating, & this in Fevers of the worst & most dangerous kind; External Cold also instead of causing any Depression of the Nervous System, is one of the most powerful Exciters of the Nervous Power & hence the Cold Bath in most people acts as an Exciter of the System as former







powerfully as wine; but the Ferretle Cold very much Depresses the Animal Functions.

There is therefore in Fever some Cause which acts, on the Nervous System in consequence of which the Heart is irritated to more frequent Contractions, which occasions irregular Pulsations of the Blood & Nervous Power according to the Functions & Disorders & produces the other Phenomena of Fever.

The Particular Reasons that shew this in Intermittent Fevers are as follows. 1. Because the Patient previous to the attack of the Paroxysm is often sensible of Disorder or what aches which could not possibly be the case were the Cause in the Fluids. 2. We find that Intermittent Fevers are both produced & carried off by sudden Emotions of the Mind which at least is decisive that Intermittents may be produced without any alteration in the Fluids. Thus the Paroxysm of an Aque may be produced by close Attention to the Mind & may be produced by violent Emotions of the Mind sometimes cured by plunging suddenly in cold Water &c. At the same time it must be observed that in most of the cases when it was produced by sudden Emotions of the Mind the Semenium had been before present in the Constitution. 3 Intermittent Fevers







Fevers are often produced by morbidities in the Nervous  
 System which are evidently seated in the Nervous  
 System. The Patient has also a most wonderfull  
 Degree of Acuteness During the Paroxysm. 1. An  
 Intermittent sometimes seizes a person during the  
 Evacuation & continues During the course of it which is  
 a presumption that the Cause is not seated in the  
 Phloza. 5. Intermittents are most obstinate in those  
 that have the greatest mobility of the System &  
 hence happens to young People such as are fatigued  
 or have undergone great Evacuations. 6. The  
 same good Effects produced by the Bark are the  
 on all the Degree produced by it in Nervous Diseases  
 especially Periodic ones. 7. Palsies & Epilepsies  
 are often cured by Intermittent Fevers. 8. The Fits  
 may be prevented or weakened like all other  
 Convulsive Disorders by excluding every Cause Pain  
 or violent Commotion of the System from any Cause  
 whatever. 9. Warm Ointments applied to the Skin  
 often have the Effect to prevent a Paroxysm which  
 could only be from their Effect on the Nervous Sys-  
 tem. In cold Countries where the Nervous System  
 is less mobile Fevers are less frequent, but the contrary  
 happens in warm Countries. 11. Intermittents are



The first of these is the fact that the  
 world is not a uniform whole, but is  
 composed of many different parts, each  
 of which has its own peculiar character  
 and its own peculiar history. The second  
 fact is that the world is not a static  
 whole, but is constantly changing and  
 developing. The third fact is that the  
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 developing.



are cured by those things that have a Tendency to  
draw the general system, as the Peruvian Bark  
which produces its Effects before any Change could  
be induced by it on the Fluids.

The Periodicality therefore of Agues probably  
lies in the Nervous System. This latent Seminum  
appears likewise to be the cause that determines the  
particular species of Intermitting; tho' the Seminum  
of all appears analogous because the different spe-  
cies of Agues pass into one another. The Periodic  
cause of them & continued Fevers likewise appears  
analogous from their changing into one another.  
Many Nervous Diseases & some continued Fevers  
are referred to the class of Agues because the leading  
Symptoms resemble. & this same method of cure  
is successful in both for this see Fortis Mercurius  
It has of late become the Practice in some continued  
Fever to throw in a Quantity of the Bark at the  
Exacerbation & with great Success of which more  
hereafter.

I shall now take Notice of a remarkable Analogy  
between Intermitting Fevers and the Gout; they are sim-  
ilar one another in their sudden Invasion, in the gener-  
al Irritation they bring upon the whole system, in  
being often Periodic brought on by violent affections  
of the



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of the Mind, Errors indeed, in Relieving the Patient  
 of many Diseases, and the present Paroxysms being  
 remained at the same time that the Seminum remains  
 in the Constitution.

*Ratio Medendi: Symptomatum.*

Most of the symptoms in this Gold Pest may be accounted  
 for from the spasmodic structure which takes place over  
 the whole system & from the weakened action of the  
 Heart; such as paleness, dryness & corruption  
 of the skin, Diminution of the sensibility & Insensi-  
 bility to stimuli. These may be accounted for from  
 the above cause & Debility of the Nervous Power.

The Anxiety Oppression of the Præcordia are pro-  
 bably produced by the accumulation of blood on  
 the Internall Parts arising to the spasmodic structure  
 externally but this cannot produce it alone else Ex-  
 ternal Gold should have the same Effect which we  
 know it has not. It has been thought that the  
 blood being propelled in greater quantity makes  
 it more infatigable & causes it off on sequence in-  
 tract before the Ventricles are quite full by which they  
 account for the weakness & quickness of the Pulse.  
 This was a Whigles Hypothesis; but I apprehend there  
 is something more than the mere internal deter-  
 mination viz. the particular affection of the Nerves,







Nervous Pains. But that the internal Accumulation does take place is very clear from the Depressions of those that have died in the late Fort. In consequence of this there are certain Instinctive Motions excited by Nature to relieve the Body from the Oppression.

There are Stretching Yawning, Jerking & perhaps Trembling; The Pain of the Back appears to be increased & generally arises when the center of the Mesentery & Omentum are tied to the Back.

The sensation of colic itself is evidently a nervous symptom & is produced on several other occasions, which shew this as by Affections of the Mind by the passing of Stones from the Biliary Ducts into the Omentum, sounding with a catheter, all enteric malappurations, and generally Shaking always attends their breaking; by attempting to introduce a Glyster Pipe more affected with the Piles. The Head-ache may be partly nervous & partly may arise from the Stomach which in Agues seems principally affected. It may also arise from morbid Congestion. The nausea & vomiting sometimes proceeds from the Regurgitation of the Bile into the stomach & becoming Putrid, at the same time they are often severely nervous affections.



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& independent of the contents of the Stomach.

In all the stages of dyspepsia the Præcordia are the seat of the principal symptoms & in all kinds of nervous complaints the Stomach indeed suffers more or less, and all complaints of the Stomach do affect the nervous system. The Thirst seems to proceed from a want of secretion of that liquor which continually moistens the Throat.

19. 800. 88. 769. The increased heat in the Hot Pitt has long been ~~referred~~<sup>ascribed</sup> to the mechanical attrition of the Pitt, against the vessels; here it would rather appear owing to chemical mixture; It seems to depend on some Principle of the Constitution not yet explained. But what ever is the cause of heat in Health; the same acts here only in a stronger Degree. The Fallings of the Pulse arising to the chafm being removed & the rarefaction of the Blood; The Heat which from an increased Determination of the Blood; & change wrought on the Urine appears to be owing to the chafm being taken off from the Organs secreting it.

No good Explanation has been given of the uricatory Pitt, because its necessary consequence of Hot Pitt has been supposed. The Inflammations do not seem to have any connection with the







171  
The Disease is undoubtedly owing to the Determination  
of the Blood to the Viscera, & the Abdominal & Thora-  
cic both are derived from the same cause.

As to the Regularity of the Returns of the Paroxysm  
no satisfactory account has been given. It has  
been supposed that the Morbid Matter has been  
expelled by the Sweat by Degrees & that the Remains  
are acted as an Aggravating Ferment, but this  
is a mere Hypothesis; besides the Febrile Symptoms  
should be violent in proportion to the Aggravating  
Cause. Many of the Phenomena have been found  
inexplicable as the missing of a Paroxysm &  
returning next at its stated hour; why a Quaker  
should be more obstinate than any other kind  
Intermittent & generally only seen in People  
of one or two Species: I shall only observe that  
it seems to be a law of Human Constitution that  
all the Natural excretions & secretions should re-  
turn at stated times, as of Hunger Sleep, the men-  
ses &c. & that every person even in best Health is  
seized with a Feverish paroxysm twice in 24 hours,  
at midday & mid night, at the same time at the  
same time there may be much modified by Habit  
I now shall treat of the cure



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## CURE.

This has been generally thought a very easy matter & so it is commonly; yet they are sometimes very obstinate. Intermittents have been cured by Remedies diametrically opposite. It requires great Judgement from the Family Physician to select the best.

The first Question is whether the Disease is to be left to nature (for sometimes it is a salutary & useful thing Tertians) or to be cured by Art? A general rule there is no present Danger in the Malarial Period. Persons go off spontaneously about the 7<sup>th</sup> Revolution. In Temporal & Climatic Pyrexias don't choose to stop Intermittents till such time as they are quiet Periods, at the same time the longer it remains the more obstinate it is & it is always a Pyrexia & keeps up to palliate symptoms & indications. There cannot arise from a full knowledge of the Proximate Cause; as it is not discovered; whether we are to proceed on this Plan or are we to suppose it as throwing off something overboard from the Constitution?

If the Disease is left to Nature the whole Business of the Physician is to modify the Symptoms, as assisting her weak endeavours & restraining her too violent Commotions. The first is effected by







effected by encouraging the Hot Felt, by foricals  
 Blesters &c on feet &c. 2 By evacants and Anti-  
 spasmodics. The sure & Intermittents consisted  
 in this before the Introduction of the Praxinto  
 Europe; but now we can proceed more effectually  
 in another way without the lest Danger which  
 to stop the Paroxysm at once.

This has been attempted in a variety of different  
 ways as

1. By inducing an Artificial Hot Felt by wrapping  
 up the Patient, by warm diluent Drinks & often  
 hot Sudorific Meduines, Warm Bath some times,  
 the Cold Bath and violent Exercise; some time  
 before the Paroxysm should have come on

2. By exciting violent commotions in the system  
 thus disturbing the natural course of the Disease,  
 This was Dr Sydenhams Plan & he sometimes gave  
 a violent Cathartic before the Felt; Vomits & violent  
 Passions of the Mind to the same; as also Cathartes  
 joined to Opacis & some other medicinal Preparations.

3. By the strongest Antispasmodics particularly  
 Opacis.

4. Bitters of various kinds

5. Resurgents.

6 By Stieglitz by which I mean in general







generall medicines producing their Effect without  
any sensible Evacuation; but to what Quality in  
the Medicine its Effect is owing we know not; as  
the Peruvian Bark which properly deserves the name  
7. By External Applications.

I now proceed to give you my particular senti-  
ments upon these various Remedies.

Tho' the Proximate cause is not fully known yet  
this is not so very great a loss to Physicians in Practice  
because we know how to moderate or excite it.

The first is done by Bleeding; but this in general  
is not at all necessary unless to palliate the Violence  
of particular Symptoms; It neither stops the Progress  
or makes the Cold Pitt milder. In Plethoric Patients,  
& when the Intermittent is connected with Inflam-  
matory Diatheses Bleeding becomes necessary to  
palliate the Symptoms of the Hot Pitt, otherwise  
Inflammation might be produced in the Brain  
& other fatal Effects follow. It has been observed  
that in Fern. Intermitt.<sup>s</sup> connected with Inflamm<sup>y</sup>  
Diathesis, when the Bark has been prescribed  
antecedent to Bleeding they have changed into  
continued Fevers. A double Terhan has been  
converted into a single Terhan by Palietomy.







When ever the Head and Heart are violently affected  
 Bleeding becomes absolutely necessary & is most  
 properly used in the Hot Pitt, the Effect of it is to  
 lighten the Violence of the Pitt & make the Disease come  
 out very copiously by which Effect it has been known  
 in continued Fevers & often <sup>in</sup> there carries off the Fever  
 wholly, but abstracting from these Circumstances  
 Bleeding is absolutely useless & even hurtfull espe-  
 cially when there is putrid Decay or when  
 the Fever has lasted long, perhaps <sup>its</sup> of no great  
 Moment whether the Patient is bled in the hot  
 Pitt or in the Intervals, some advocate the latter  
 but I can see no reason for this at all. The use  
 of Bleeding has been much questioned in Quarters  
 yet there are a few Cases of its being successfully applied  
 in them; I should not think it a good Practice tho'.

The Evacuation that is more generally used is  
 Acemites after Bleeding if necessary. Acemites  
 are given to cleanse the Stomach but this is not  
 all their Effect; they promote the secretion by the  
 Skin, and Antispasmodic & prevent Obstructions  
 in the Abdominal Viscera; they powerfully stimu-  
 late the Nervous System and often carry off the  
 Disease all at once. When this is their Effect it,



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It is not easy to say to which of their Operations we may ascribe it. It is generally thought necessary to give a Vomitive before the exhibition of the Purgative. The best time for its Exhibition is that its Operation may be over before the Febrile Paroxysm begins; if an Opaculo is given after the Fitt is often stopped; the Vomitive should be worked off by Chamomile Tea or Infusion of Carduus rather than by large & repeated Draughts of warm Water than which nothing more weakens the Tone of the Stomach.

The Practice of many has been to give the Vomitive during the Cold Fitt; This was done by Sydenham, Eschschias & Thomson, what has given Origin to this Practice is the Pleausia & sometimes actual Vomiting in the Cold Fitt; Thus they have taken as a Natural Indication at the same time there have been very bad Effects from this Practice. If the Cold Fitt is very violent, & violent Habits are very apt to be hurt by what excites a very violent fermentation in the system. Emetics in small Doses do as to excite a Degree of Pleausia have prevented the Fitt. To this Purpose Emetic Tartar has been used Also James's Powder which has been of great Reputation, tho' it







The Emetic Tartar is now proved to be the better  
 Medicine. The generall Effect of this Medicine in  
 small Doses is to operate by Vomiting Stool  
 & Sweat. Osacum is a great Enemy to Emetics  
 of every kind in Agues & continued Fevers; he con-  
 sidered them only as cleansing the Stomach and  
 attributes bad Effects to them in other ways from  
 a false Theory of his own. A Physician is not to  
 take the Indication of repeating the Vomits for what  
 is vomited forth; there would be no End in this as the  
 Stomach always appears foul & the same Order  
 would shew itself were the Patient to be re-  
 mitted 3 times a Day & Repeated Vomets weaken  
 the Force of the Stomach. The Emetic does not act down-  
 wards a gentle laxative is necessary to cleanse  
 the Intestines: & more especially in warm sta-  
 tes to prevent the Stagnation & consequent  
 Putridity of the Bile; violent Catharticks have  
 been exhibited sometimes & prevented the Purge.  
 Altogether this was Sydenhams Method of  
 treating Venereal Agues but is now laid a-  
 side so very rough. In Warm Climate,



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Lect. 10 In warm climates Physick may be given  
 400. 21 & is necessary to carry off the Bile & putrid cal-  
 2769. -lours that lurks in the P. N. which if let  
 alone might bring on Inflammation in  
 those parts from its Acrimony, & the warm-  
 ness of Country; or cause a Cholera morbus  
 which would render the Patient exceedingly  
 weak if it did not prove altogether fatal.  
 In every case or Climate we should endeavour  
 to keep the Belly open and prevent Consti-  
 pency, which is very apt to turn it into a  
 Continued Fever.

If Intermittents run into Continued  
 Fevers, bleeding and a gentle laxative  
 are necessary, to reduce it to its origin again  
 which they seldom fail to do; but the bleed-  
 ing should not be often repeated, because  
 it is very hurtful by prolonging & rend-  
 ering the Disease very obstinate.

Many Authors advise to give strong Acid (a.  
 Tarticks, but these are very apt to bring back  
 the Ague and make the Patient out of order.







relapse, sometimes indeed in warm climates they become necessary. But in general no smart Physic should be given, in this case then the Belly should always be kept open & if the Agues stop by the Bark its frequently necessary to give a laxative after & when there is a great Tendency to Constueness a Laxative should be joined with the Bark, when the guts are weak Rhubarb is very properly given along with it in such Quantity as will keep the Belly gently open.

We find some Instances of Agues being cured by strong Stimulating Purgatives (but this is a very bad practice in general & the Effect of this was more owing to the Peculiar Stimulus applied to Nervous System.

We have undoubted instances of small Doses of Rhubarb and Calomel having cured Intermittents even when the Bark has failed, and in some obstinate Quartans Mineral Purgings waters have been







been the cure, but these are cases where the exciting cause has been obstructions in the Abdominal viscera.

Antimonial Catharticks are certainly best because they often operate both by vomiting & stool; and James's Powder, has been generally preferred, but we should be cautious in giving it because the Doses are not carefully enough weighed some of them contain more than  $\text{xxiv gr.}$  & besides when the Dose is over great it's operation is very violent, we sh<sup>d</sup> therefore give it in small Quantities and gradually increase them. If the Intermittent begin in the form of a continued Fever the Antimonial medicine will reduce it to it's proper Type. But in my opinion Emetic Tartar is preferable to Antimonial Wine or James's Powder. These medicines are very efficacious in cases where there is a violent headach attended with Stupor, Coma &c when they are given in such Quantities as produce sensible evacuations both up







up and down, and when given in small Doses often repeated they seldom fail to do this. but sometimes they produce no Evacuation only bring on a Nausea & act as febrifuges, for they often carry along with them the Disease

In Intermittent fevers when there is a Diarrhoea Tartar Emetic is given with an Opiate, the opiate prevents the Increase of the Diarrhoea, does not hinder the Vomiting & promotes a Diaphoresis

Alkalies, nor Absorbent Earths should never be joined with Emetic Tartar because they decompose it

We next come to Sudorifics, and they are given with two different views either to assist Nature or to prevent the Access of the fitt. To accomplish the first we give the Patient plenty of Diluent Drinks before & during the Cold fitt, as Decoction of Bardana, Sarsaparilla, but a weak Lemonade or water & lemons with a little



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little Rhinish wine is far more pleasant  
 in Phlegmatick Constitutions, and cold  
 climates a Tea spoonful of Sp. C. C. among  
 warm drinks every half hour is given  
 with very good success to procure a co-  
 pious sweat, but in warm climates  
 tis too hott a medicine. The Neutral salts  
 as Sal Ammon. Crud. Sp. Minderer. and  
 Saline Draughts, are the best success-  
 fully to bring out a sweat in both hott &  
 cold Fitts. 'Tis a common custom to make  
 Patients drink vast quantities of drink  
 before the Fitt & in it, but nothing weak-  
 ens the Stomach more than the swallow-  
 ing these deluges of fluids, it likewise  
 increases the Anxiety. But at same  
 it is necessary they should drink very  
 plentifully, or the Disease will be apt to  
 run into a continued fever or an Inflama-  
 tion be the consequence especially in  
 warm climates, however they may



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take less at once and repeat it frequently which will not hurt the Stomach at all and is easier & more agreeable for the Patient. The Spanish Physicians allow no drink or very little.

In warm climates during the hott fit they give cold water in little quantities & often to drink which proves the most effectual Sudorifick; but if there is any reason to believe the vessels inflamed it cannot be given. In Italy & Sicily they drink the water in the hott fit & it proves very efficacious & highly useful to them.

The other method of sweating, with a view to prevent the return of the Paroxysm is this. They give them pepper and spirits which in Phlegmatick & old people may have no bad effects: but in generall its a very bad Practice, for it turns the Ague into a continued Fever attended with violent Headach - Theriac & Serpen.







Serpentary are often given with the same view, tho not abett more proper, none of these ought to be given in Inflammations of the viscera. Quacacum decoction has been ordered before the Reception of the fitt & during it, but it's too acrid to be exhibited at all. A very great Quantity of Drink induces a habit of sweating as well as weakens the stomach.

It's a practice that still prevails among Physicians never to shift a Patient while he is in a sweat, but I can say from my own Experience it's wrong to let them soak in sweaty cloths, & they may get clean blown at any time of it, provided they be shifted with caution. For we know Linnen can absorb but a certain Quantity, therefore some of it must be absorbed again by the Inspiring vessels which certainly will have no good Effect, and besides soaking in sweat Relaxes the habit very much & encreases the mobility



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Mobility of the whole system, it likewise increases colds by exhalation & impedes instead of increasing Perspiration.

There are two kinds of Sudorifics Stimulating and Antispasmodic

The Stimulating Sudorifics are generally hurtfull in Fevers, & the Antispasmodic are frequently attended with Safety & Success one of the most powerful of which is the warm bath (Dovers Powder is one of these. Dr Sydenhams Practice of sweating was too rough.

The Cold Bath has been tried & in Northern Countries it is customary to plunge the Patient among Snow & then immediately to roll him up, but this is certainly a dangerous way of preventing the fitt. In those Cases where there is no cold fitt Sudorifics are found Successfull & generally are the only cure

Dr Boerhaave cured several Quartans with Vegetable Juices as Grapes Roots.



*[Faint, illegible handwriting covering the page]*



Roots, what probably led him to this was that he observed cattle in winter, labouring under calculous disorders, but upon going into fields & eating the tender Vegetables they were purged of these & had a sort of Diarrhoea.

The success of Alkalies and Absorbent Earths, depends entirely on the Acid in the Stomach, if they meet with any Quantity of it there they are converted into Neutral Salts or imbibed it.

Antispasmodics have been tried in different Periods of Intermittents with a view either to stop or shorten the fit, and the most powerful of these is Opium which if given before the fit about the time we give a Vomitive, has the effect at least of making the fit much easier if not altogether to prevent it.

But Dr. Lind has prescribed Opium in the hot fit with the best success which I think is







is a discovery of considerable importance  
 because the hot fit is in general most danger-  
 ous, and he says that it shortens its dura-  
 tion, and abates its violence, that next it  
 eases the head ach and <sup>promotes</sup> ~~abates~~ sweating  
 and procures a refreshing sleep after all.  
 He farther says that it prevents the jaundice  
 dropsy & other bad effects of obstructed resura.  
 If there is a Delirium he advises not to give  
 it till it's over, & then it's highly useful in  
 removing that weakness that constantly  
 follows. It moreover is the best preparation  
 for the Exhibition of the Bark, because it pro-  
 motes a sweat which very much disposes  
 to more perfect & regular Intermissions  
 & hence for the throwing in of the Bark.  
 If possible let them take a dose of R. Sacn.  
 and the Bark & Opium may be immediately  
 given after, for the Opium will not prevent  
 the operation of the Sincture and the Bark  
 has a known tendency to assist it.  
 Dr. Stork has prescribed the Leonitum in  
 Agues & takes it in under the head of Opium.







We next shall speak of the Diet & Regimen proper in Intermittent fevers.

The Diet in general should be of the generous kind rather than the vegetable but especially in obstinate Agues & to old People. Belows method has been tried with very ill success, he enjoined Abstinence from food for the first 14 Days of the fever.

In general Animal food & easy Digestion may be allowed in moderation & I never saw any bad consequence from it; but in warm climates, the vegetable is preferable as it is more opposite to Putrefaction & their fruits are excellent coolers.

When Cordials are necessary some generous wine with a little Orange is the best I know and the most grateful.

Under this head I may observe that change of air or climate prove very effectual in curing the most obstinate Agues.

The Cold Bath too has been known to cure very obstinate Quartans & is a good prophylactic against a Relapse.



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Under the head of Sudorifics I mentioned the warm bath & it makes the Cold fit considerably easier when the patient is put into it half an hour before it's attack.

Exercise makes the operation of the Bark surer & if so violent as to raise a sweat will often prevent the fit altogether.

It promotes all the secretions & Excretions

Frictions have much the same effect with Exercise, Storck mentions two Quakers that were cured by Frictions with warm cloths applied to the spine.

We seldom give Blisters in Intermitents, but with a view to palliate particular Symptoms as to remove Coma, Stupor, &c sometimes we find them cure it altogether.

All these Medicines have been ordered with a view to palliate particular Symptoms or to prevent a Return of the fits. The most powerfull of the latter kind is the Peruvian Bark



Handwritten text in a cursive script, likely a letter or a page from a manuscript. The text is written in dark ink on aged, slightly yellowed paper. The handwriting is dense and fills most of the page, with some lines appearing slightly faded or less distinct than others. The overall style suggests a historical or personal document.



Bark, which has been attended with more success in these Fevers than any Drug in any Disease I know.

It was first introduced into Practice about the middle of last Century, but met with the strongest opposition from the faculty all over Europe merely from Theory which is I think one of the strongest proofs that Hypothesis should never be depended on, nor blindly lead people against Experience. We are greatly obliged to Sydenham for introducing it into Practice Dr Boerhaave, who was an Admirer of Sydenham, did not follow him here, for he was no friend to the Bark, & for this reason, because he let the fever run on too long before he gave it 2 or 3 weeks & this produced Obstructions & Infarctions in the Viscera, when ever the Bark was given then, it was blamed for these, but had he given it sooner he certainly would have been convinced that it was not the



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the cause of these: Before the Bark was introduced into Practice there was no cure for Quartans and indeed it seems rather to prevent the fitt than cure it altogether.

In every climate the Bark may be given with safety after the 3 or 4<sup>th</sup> Paroxysm in generall, but in warm climates it should be given immediately after the first fitt, because the second may carry off the Patient. Here again we seldom give the Bark till the intermissions are regular or the Ague formed, and we have generally time to wait till that happens without any ill consequence.

In Cases where the Agues will remove other Diseases or their Effects will be salutary we ought not to stop them with the Bark, only to palliate the most violent Symptoms, but if they are likely to continue too great a length or weaken the Patient too much, then we must stop them as the best will.

It is safer







Its use is in general to exhibit the Bark before any putrid Collicies has taken place or been collected in the stomach & Gutts this prevents the cause of such Congestion by removing the Aque and besides the Bark is a good Stomachic, promotes Digestion & Sweats, it's likewise a Diuretic, and it increases the operation of Catharticks. It may be given very safely even when there is a Jaundice and Infarctions of the Viscera which it cures with the other symptoms of Intermittents.

I shall now give some account of the Preparations, Doses & method of Exhibiting this Medicine, and first of its Preparation.

We should always give the Bark in substance if the Stomach or Age of the Patient will allow of it: but Children cannot take it in this form, & some weak Stomachs, cannot bear it, to these the Extract is usually given 12 Gr. of which



Handwritten text, likely a letter or manuscript page, written in a cursive script. The text is arranged in approximately 15 lines, though the handwriting is very faded and difficult to decipher. The page shows signs of age, including discoloration and some staining.



which is reckoned equal to one Dram of the Powder.

There have been a number of Medicines given along with it, as Correctors, because Physicians thought there was some poisonous Quality in it, but these are all useless in this Intention, however they may be necessary in some particular Cases, not as Correctors because it has no poisonous Quality, but as Assistants.

That the Bark in substance is most efficacious appears hence, that the Presidium after Decoctions, which has been kept & given to poor patients has proved more effectual than the Decoction.

When given in the form of a Bolus or Electuary made with Syrup it always requires a larger Dose, than when you give the powder in a liquid Vehicle, the reason of this can hardly be given, unless that it is longer in depositing in the Stomach. But it is a







a certain fact that ℥vi. of the powder has more effect than ℥ss. of Decuary.

The first form the Part<sup>re</sup> was given in in Europe was ℥ss. of the powder in fusc in an English pint of red Wine for Discovering which Sir John Falbot got a premium from the French King. And indeed it's a very good way of Exhibiting it; In damp seasons it should always be given with wine or spirits if in form of a Julep one fourth of it ought always to be spirits, & if made into an Decuary it should be with Brandy rather than Syrup, indeed Syrup should never be used but Mucilage, Extract of Aquorit &c. covers it's taste very well. It should not be given in too fine a powder, a middling small powder is preferable, because it's chief virtue lies in it's resinous part & hence too the Extract ought to be made with spirits. There is nothing I know covers the



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the Paste of the Bark so well as Sower  
milk. As Children cannot take this in  
substance by the Mouth, some other way  
is had to be fallen upon and in larger  
Quantities we find it proves a cure if  
thrown up by way of Glyster, they may  
get of the Extract  $\frac{ss}$ . Dissolved in  $\frac{z$ iv. of  
water with some Olive Oil & some Drops  
of Sassafras, for a Glyster. But  $\frac{ss}$  this  
way won't have so much effect as  $\frac{ss}$  taken  
by the Mouth. They likewise soon weary  
of this way. And some as D. Pige in the Don.  
Med. Expts. have advised applying it to  
the Skin in Holland cloth, and gives some  
Instances of its Success this way.

D. Lind a gain and others advise foment-  
ations of it or baths, he says he has cured  
severals by bathing them in a Decoction of  
it which seems probable enough.

When this medicine appeared, the Period  
they gave it in was at the beginning of







of the Cold fit; but this was soon discovered to be wrong, for it produced a great uneasiness about the Stomach, & therefore gave place to another method very. Immediately after the sweat they began to give it, and so continued at short Intervals; but it is now universally allowed that the giving it 4, 5, or 6 hours before the Paroxysm is attended with the best Success & certainly easiest for the Patient; we should never give it in greater Quantities, than the Stomach can easily bear.

In General the Quantity necessary to prevent a return of the Paroxysm of a Quotidian is from  $\frac{1}{2}$ ss. to  $\frac{3}{4}$ ss. & sometimes more is required, but a Tertian will require from 1 to 2 or even three ounces.

In general 2 Drachms are sufficient for a Dose but it may be given in as great a Quantity as the Stomach will bear even to 1 ounce at a time.

In such Ternall Intermittents we require



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require bleeding we should join with  
the Bark &al Ammon. trad. or

And in moist Damp weather it should  
have some Aromaticks join'd with it.

Physicians made it a rule never to  
give the Bark till such time as there  
appeared a Saleritious Sediment in  
the Urine, but then in some Cases when  
this never does appear, & in generall it  
will be proper to exhibit the Bark before  
this is observed in the Urine, lest there  
should be infarctions in the Viscera &c.

There is no general Rule that I know of  
when to give it, unless it be when the  
Ague is formed or has a regular Intermittence  
but it is necessary to continue it there  
after the Paroxysm has been prevented lest  
the Patient relapse; in Quotidianas we  
should continue to give it less frequently  
5 or 6 Days, & in some Obstinat Agues  
two or 3 Weeks. In cases where the Stop-  
ping of the Paroxysm would be dangerous



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dangerous, but a Palliation of the Sym-  
ptoms is necessary we must give it <sup>in</sup> such  
Quantities and at such Distances of  
time as will not prevent the Pitta all-  
gether but abate its Violence considera-  
bly.

In warm Climates where In-  
fermentents are apt after the first Parox-  
ysm to run into continued & Putrid fever,  
in the first intermission we should throw  
it in, in large Quantities as soon as we  
possibly can; In these Places we find  
the Bark invigorates the Constitution

promotes sweating & Diarrhoeas that are  
critical but stops colligative evacua-  
tions of either kind. Does not at all stop  
natural Evacuations of any kind as Menstrues  
it renders the Urine pale without Sedim-  
ent, having a Cloud in it.

At its first Exubilation it proves purgar-  
tive, but this is easily prevented by join-  
ing with it 10 or 12 Drops of Laudanum



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Laudanum; but sometimes it is necessary to join it with juice of lemon and Laudanum which should be given during the effluence; we never give it in this form, but when it produces a vomiting which in some constitutions it does.

In warm climates even when the P. V. is foul & loaded with a putrid colluvies, which has already produced an Inflammation of the Guts, we should here throw in the Bark as the only Remedy, because these Congestions depend wholly on the fever & when it ceases they will of course be prevented, unless we do this a Cholera Morbus will follow which a hundred to one will prove fatal.

If the Patient is of a Castine Habit & the Tone of the Intestines weak we should join Rhubarb to the Bark, and where there is a tendency to Inflammatory Diarrhea, Sal. Mirab. Glaub. or Epsom salts.



*[Faint, illegible handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is arranged in several paragraphs across the page.]*





157.  
catis And in generall I can see no  
danger attending its Exhibition in  
all Lagues, unless those where there was  
a preceeding Disease & Nature has em-  
ployed the Lague as an effort to get quit  
of this prior Disease, and here its Effects  
are generally bad & sometimes fatal, for  
it causes heat, Dryness of Skin, Difficulty  
of Breathing, Swelling of Abdominal  
Viscera, Diarrhoea, loss of appetite, Epi-  
lepsy Anxiety & Pains resembling Rheu-  
matic Pains. It appears that these Effects  
are justly ascribed to it, because when  
you leave it off, they disappear and the  
Lague returns again.

But there are many Cases in which Phy-  
sicians were apprehensive, of the Bark  
producing bad Effects & Boerhaave was  
one of these. Some have denied its specific  
Quality & say that it always occasioned  
a sensible Evacuation, that the Bark  
does not hurt the Constitution, maybe







227.  
may be evidently proved by this that  
in a few months time a person was known  
to swallow the Quantity of 20 lib. & his Consti-  
tution was not a bit impaired.

It has been a general Practice among Phy-  
sicians never to give the Bark in Inter-  
mittents attended with Infarctions of  
the Lungs and a Cough, but from my  
own Experience, I can say there needs  
be no apprehension of its having bad ef-  
fects here; for in some Intermittents a Cough  
seems to be one of the Symptoms & along  
with the others it removes this too.

I shall now endeavour to give some  
reasons for the failure of the Bark in Fevers  
And 1. It happens frequently that the Bark  
is bad itself or adulterated.

2. It has not been continued long enough  
to prevent a Relapse.

3. It has not been given in sufficient  
Quantity at a time.

4. It has been exhibited in an improper







improper form, or preparation.

There have been other medicines given w<sup>th</sup> an Intention to stop the return of the Paroxysm with Success, even before the Bark was discovered, called Bitters, & these chiefly were prescribed, viz. Centaury Italian, Asynth. Chamomel. but when we compare the Effects of these with the Effects of the Bark, they are not a bit more certain, nay their Effect is not near so sure, & an objection lies again<sup>st</sup> them that they cause heat which in some cases as we have observed before does much harm.

But after all we must allow that the Bark has failed tho' all Caution has been used, and that some Quartans have been cured by Chamomile Flowers when it has had a fair trial.

There was a celebrated remedy prescribed by Dr. Morton before the Discovery of the Bark of Chamom. Flowers, sal. Asynth. & ant. Diaph.



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*Diaphoreticum*; which was attended with greater success than the Bitters alone

When we order Bitters with an Intention to stop the Ague, they must be given in large doses, & unless joined with opium they will in such Quantities prove Purgative, and have a greater tendency this way than the Bark.

There is another Class of Medicines that have been successfully exhibited with an Intention to prevent the Return of the Fitt, viz. Astringent Medicines and the most approved of these is Alum alone which in England was much used with very good Success. Nitriol has been used with success in this Intention, but it's not equal with Alum in efficacy.

Some have taken Lobweils, in Pills, or Poles & it has been known to cure it often.

Mercury has been prescribed by some with very good Success, but unless there be



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are Obstructions in the viscera it will scarce  
be proper. Indeed we have several Instances  
where Rhubarb and Calomel have cured  
very obstinate Quartans. And Patients  
labouring under the Quinsema being  
taken with an Ague, have been cured by  
a Solvation, & in those Patients it's remark-  
ably easily raised. — Many have used  
Arsenick with great success they say, but  
Stork affirms that it makes Patients turn  
consumptive & that of four whom he tried  
with it Three died of a Consumption of the  
Lungs. But certainly it ought not to be  
given in these as there are remedies of whose  
Effects we can be certain there is no danger  
But it's being reckoned a Poison is not at  
all a reason why it should be excluded from  
the number of Medicines; Many things  
that were formerly reckoned poisonous are  
now accounted the most efficacious Rem-  
edies. Externall Applications have been







Preventors of the Paroxysm, among which is the cold Bath formerly taken notice of, and Stimulating Medicines applied externally as Blisters, Ranunculus pratensis; Bruised Garlick, or steeped Tobacco applied to the Pitt of the Stomach, are the chief of those that have proved most effectual. And Al. Succin. rubbed into the Spine is one of those that seldomest failed.

The last of such things as prevent the Paroxysm, are strong affections of the Mind as violent Passions, Fear, Anger &c. have frequently cured Agues altogether, And the force of Imagination, to which only we can ascribe the Virtues of Charms Amulets &c. <sup>and</sup> ~~which~~ there are many Instances of their Efficacy in these Fevers well attested, has been often a Cure without any of the Medicine being used. I would ascribe the Virtues of Spiders, Snuffs of Handles, Urine &c. to this, & their Efficacy is well attested likewise.







likewise by many authors of undoubted Veracity and Honour —

I shall now give a General Cure for some of the Particular Symptoms —

The Vomiting is removed, after cleansing the Stomach with Chamomile Tea; by the saline draughts taken during the Effervescence, with Soudanum if these fail.

The headach is commonly carried off by the sweat that succeeds the hott fitt but if this is not the case, we ought to order the Limbs to be bathed in warm water, & apply Cataplasms to the Feet of some acid substances, but if these do not remove it apply a Blister to the Back.

D<sup>r</sup> Lind's method of giving Opium in the warm fitt will be the best prevention & its certainly a great and usefull Discovery.

A Coma renders bleeding necessary and if the Patients case will not admit of open







opening a vein in the Arm, we ought to apply cupping glasses, and Blisters here are excellent Remedies and should be laid on as soon as possible.

Antispasmodics as Musk, Castor, Opium, remove a Hiccup, & if it's violent Cupping on pit of stomach should be tried.

Sometimes the Fevers are carried off by a Critical Deposition of matter, in any place which forms an Abscess, this Abscess ought to be promoted by all means, and they often happen in the thigh, where the matter by insinuating itself among the muscles will sometimes get into the Cavity of the Abdomen; to prevent this dry Cupping, & small lent Cataplasms should be applied and the Tumor opened as soon as possible.

If there is a Jaundice accompanying the Jaundice & it has perfect intermissions the Bark with Rhubarb or Aloes will not fail to cure it.

A Diarrhoea is removed, with a gentle Purgative if the Stomach is disordered; with Rhubarb.



THE HISTORY OF THE  
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with Opium, before the the Bark be given  
 there should be premised & the Diarrhoea  
 stop'd by them. The Vomiter given in these  
 fevers should be wrought off with Carduus  
 Benedictus Infusions rather than warm wa-  
 ter, which as was before observed is one  
 of the most relaxing things in Nature, &  
 consequently very improper here.

In Flatulent Cases Aromatics should  
 be join'd to the Bark, cordials & Rhubarb,  
 may be used to advantage & if the Patient  
 is sick a Vomite may be taken.

The best things for preventing a Relapse  
 are the Continuation of the Use of the Bark,  
 Change of Air, Exercise, especially riding,  
 Mineral waters with Stut, Elix. Nitros. &c.

When Agues are Endemic in any Country,  
 there are some circumstances which if observed,  
 may do a great deal, in preventing the Attack  
 of Agues and

1. In all Aguish Seasons we ought to avoid



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avoid exposing ourselves suddenly to heat from cold or from cold to heat. Because this is an exciting cause of Fever, we should likewise avoid easterly winds, marshy damps & damp low rooms, damp dinners and beds.

2 It is in our power to go in such seasons to large towns, because it has been observed that *colera paribus* these Fevers are more frequent & more fatal too, in the country than Town, whether this be owing to the great Fires or to what it's owing I cannot say, but it's a fact. And we should always choose a dry, & elevated situation and to sleep in high rooms, the windows of which should never look to marshy damp soils & we should burn large Fires of resinous wood especially as Firr & Pine. Nothing is more apt to have bad consequences on our health than marshy grounds & we may see exemplified in Camp Meas.



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near marshy places.

3. It would be proper not to go out in the morning fasting; or with an empty stomach especially for such <sup>as</sup> employed in ditching marshy ground: they should before they go to their work take a Dram of spirit in which Garlick & Peruvian Bark have been infused, diluted with double the Quantity of warm water.

In this season smoking Tobacco is certainly of considerable use as a preventive, but this is no reason for its being universally used by every body & that indiscriminately with regard to the season. In thin habits 'tis hurtful because they cannot bear such a Discharge of saliva.

4. As a preservative against Agues, a Generous Diet, and drinking a little more wine than ordinary is certainly very good; the frequent Use of the Cold Bath & good Exercise; with the use of the flesh & Bones



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Brush, are very proper as preservatives  
& it is likewise necessary to keep the  
feet, Back & Stomach pretty warm.

5. When a Stranger goes to a Country  
where there are Endemic he should always  
keep an open Belly by some of the Sto-  
machic laxatives as *Mix. Sacrum Pro-  
Rhoei &c.*

6. A Glass of the Tincture of the Bark  
two or three a day diluted is a very  
good Preservative both against Epi-  
demical Intermitents & Remittents  
& in general is a good Preservative  
against Epidemical Fevers in general.

I shall now give you a list of the Authors  
who have wrote best on these Fevers.

For the Description of these & indeed of  
every other Disease Sydenham is the most  
accurate, and true Handwritten gives the  
Proximate Cause, but neither Sydenham,  
nor his Practice are fit for your imitation.







You may likewise consult Senac de febris;  
 Hux Intermittentibus, which is the best  
 treatise I know on the Subject; Huxam  
 Elz Horn, Monro on Lamp Diseases, Torti  
 and Dr Linc are all worthy to be consulted  
 on these Fevers.

Class. 1.<sup>st</sup> Order II.<sup>d</sup> Genus I.<sup>st</sup>  
 Inflammatory Fever.

I divide this into three

1 Common continued Fever with general  
 Inflammation.

2. contains putrid malignant fever  
 which comprehends Jail & Hospital Fevers.

3 Is the slow Nervous Fever.

The Common continued Inflammatory  
 Fever which was the febris continua  
 & synochus of the Antients, is distinguished  
 from the febris continua, by having no  
 sensible remissions, whereas the febris  
 continua had some small remissions

But my opinion that there is no such







Fever, whatever, but has some small Remissions & Exacerbations.

The Ephemera is a fever of this kind & from its Name we should think it lasted only one Day, but it generally continues about 3 or 4. It's very mild & mostly proceeds from Error in Diet. The Ephemera Bri: tannica, which aged about 150 years ago is described by D. Celsus, & was commonly called the Sweating Scurvy.

Sauvage has distinguished these fevers from their Duration, which is very wrong & uncertain. There is no Physician but would know these from one another by their symptoms at the first, but it's impossible to know how long they will last.

My Definition of this Fever includes my general Definition of Saps 1. and is as follows. A quick, full, hard pulse, great thirst, little Remissions & the Blood has generally a Buffy coat.

On its symptoms it resembles the Hot







hath felt of an Ague, it commonly I believe  
 always begins with more or less of a Rigor,  
 at the beginning there is a Pain of head &  
 Back, a Lassitude and feeling as if bruised;  
 there succeeds this a hot, full quick pulse,  
 a little hardness may generally be observed  
 in it. Thirst, Nausea, Vertigo, high colored  
 Urine, without any Delirium, a quickness  
 of breathing, & want of sleep. & tho' they  
 do rest its not at all refreshing, they lose  
 their appetite, have a general Debility, &  
 an Anxiety about the Praecordia, a Castne  
 Belly, Parched tongue at first white &  
 soft then white & dry and at last brown  
 and dry, the Blood in generall has a Ruffy  
 Coat. The Symptoms are generally severe  
 from the beginning, but the Night before  
 the Crisis happens, they are remarkably  
 worse, & more violent. In this and all other  
 Fevers there is a great melting down of the  
 fat about this time, & a want of sleep & rest.



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which commonly continues 10 or 12 Days after the crisis is over.

When the fever is attended with Topical Inflammation, bleeding & a blister applied to the place perhaps may remove it but the fever after 2 or 3 Days continues as a general Inflammation, causes a topical one, commonly of the Brain. Such continued fevers as proceed from Errors of Diet, are generally soon over, & in children after the P<sup>er</sup> have been well cleansed, they go off of themselves, & have no regular Period. The heat in these Fevers depends much on the natural Constitution for tho' the Nat<sup>l</sup> Heat in one patient be always pretty much the same, yet in different Patients it varies very much. The same is true of the Pulse in health 70 beats in a Minute is reckoned a mean yet in some I have seen it only at 50 & others 90. People that have great mobility of <sup>the</sup> Nervous System, upon little occasion will have it greatly increased



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increased, some Physicians call Women in slight ailments of that kind will have it at the rate of 150 in a minute. It is with this Fever that Hippocrates observations agree principally.

This Fever has been carried off by critical evacuations, as Hemorrhage from the nose; but the most common are Sweat and Diarrhoea. Spontaneous Vomiting & a large flow of Urine with plentiful Secretion, have been commonly reckoned critical, but I am of opinion they are rather to be reckoned symptoms of convalescence than Critical evacuations.

These fevers when they run on for a long time, commonly end in Nervous & in warm climates in putrid Fevers; but I have seen them continue three weeks without any appearance of changing; & sometimes when no Crisis has appeared they are at last terminated by the breaking out of Abscesses, A Jaundice appear.



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appearing about the Seventh Day, has carried off this Fever and D.<sup>r</sup> Storke gives instances where a Copious Expectoration happening on this Day, even where there was no previous Affection of the Breast, has cured the Fever.

It sometimes wears off, by no sensible evacuation, of its self very gradually & this is called Resolution. An uncommon sleeping attended with evident remission & abatement of the Symptoms, has carried it off, after it has continued a long time.

It has been observed that these Fevers have terminated on one Day rather than on another, and most commonly in a favourable manner, hence these Days have been named Critical, & this is certainly a fact tho' disputed by many, and alleged that Hippocrates had a favour for Septenary Numbers. The more remarkable of these Critical Days are the 7.<sup>th</sup> 9.<sup>th</sup> 11.<sup>th</sup> 14.<sup>th</sup> 17.<sup>th</sup> 20. & 21.<sup>st</sup>, but in warm Countries & when the fever runs high the



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the 4<sup>th</sup> Day is often criticall.

There appears to be in Nature a real foundation for these, & I am of opinion they are as well founded as any truths in medicine, tho' when we exhibit Antimonial Medicines & such like we disturb the regular Progress of the Periods of the Fever & therefore they cannot be observed, but when the Disease is left to Nature and allowed to take its own course, they may be observed in general to hold, tho' with a great many Exceptions; however in these Climates they are not near so regular as where Hippocrates practised, Celsus who was much in the same latitude observes an exact conformity with Hippocrates in these Critical Days. But I shall afterwards explain the reason why they don't hold here. Dr. Martin in his Treatise on Crises by an Induction from Facts proves this foundation for these Days.



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The general Antecedent or Predisponent Causes to these fevers are, Youth, Sanguine Temperament, a state of high Health, full habit; a set of Dense Fibres and dense Blood, the Spring season, a cold & temperate Climate. They do happen in all seasons & periods of the Year but the Spring & Autumn are more common in the Autumnal Fevers of the Putrid kind are more general.

The occasional exciting cause of these Fevers is any sudden exposure of the body to cold, when it was warm, a suppression of usual evacuations especially of the sanguine kind; the repulsion of the milk in lying in women, any violent Exercise, being overheated, hard drinking, a want of Exercise when at the same time the body is very full a want of sleep, and a particular epidemic season, which may be without any sensible or apparent change in the Air. What ever will occasion great irritation, as Fractures



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Fractures, and wounds when they sup-  
purate are always attended with a Fever  
In women before the coming on of the Menstru-  
there is commonly a fever for a few hours  
& in some it will continue a Day or two.

As intermittents were observed to be often  
very beneficial to the Constitution & employed  
by Nature for removing a worse Malady, so  
likewise there are sometimes known to  
remove other very grievous Diseases.

An Apoplexy has often been carried off by  
a fever supervening & many other Nervous  
Disorders, as Convulsions, Paralysis,  
and many other Diseases as Gout, Pains  
of Precordia when not attended w<sup>th</sup> Inflam-  
mation, Obstructions in Abdomen all these  
have all been removed & radically cured by  
a fever coming on. And in General  
a Fever of this kind when terminated by a  
favourable Crisis, removes Eruptions of  
the Skin, Disorders of the Stomach, and leaves  
the Patient, more vigorous, & spirited, with







with, better Appetite. As therefore this Fever  
is often & more than any other almost, of so  
great benefit to the Constitution, Physi-  
cians should give particular Attention  
to the cause of it, whether an Effort of Nature;  
or the consequence of an External Cause;  
in the first case to assist & coöperate with  
Nature & not stop her, & in the last to  
stop the progress of the Fever as soon as  
it possibly can.

*The Prognosis.* In this Fever it is a favo-  
rable symptom when Aphthae appear for  
in generall they are the consequence of a  
Critical Deposition in the mouth & com-  
monly run all along the Intestinal Canal  
Instances of which I have seen; that they are  
critical appears by the fever wearing off  
as they advance, but sometimes after the  
Fever has been entirely gone the Patients  
Mouth & Throat have been so swelled that they  
could swallow nothing, & have actually  
died of hunger.



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In such cases I have experienced the good effects of a Vomite in my own practice, it brought up a vast quantity of Defluxion and apthous (crust, & if it purged the patient he passed, a number of Piles of the same kind which shows that the Intestines have been in the same condition with the mouth & throat.

It's generally reckoned a favourable Symptom when the tongue remains moist & soft; but for all the Stress Physicians lay on this Symptom it often rather indicates the state of the Stomach, than Fever.

A Pain in the Occiput & Crown of the head are worse than a pain in the forehead. in the forehead it's generally small Fevers & very frequently indicates a foul Stomach.

There's little unfavourable from a Diluvium if the Patient is young, has lived high, for such in this Fever always have a kind of







But if the Eyes at the same time are inflamed it may be reckoned dangerous. When the Urine is pale with a cloud in it, it is such a once a favourable Symptom & indicates the fever near an end.

In Diseases there are some Symptoms which have been observed to precede critical evacuations, & by being attended to we may be able to presage these.

Before a hemorrhagic from the Nose the following are taken Notice of viz a Sticking and redness about the Nose, severe headach redness of the face, Inflation of the Belly, the Quantity of Urine less, Tinnitus Aurium, obtuse pain of the Neck, and Involuntary Tears; if these are altogether present at the same time we may be certain of it but when one only or a few there is no certainty & dropping from it on the 15<sup>th</sup> Day is said to presage an Hemorrhagic on the 7<sup>th</sup>.

It is alledged that by observations on the Pulse we may arrive at great perfection



My dear Mr. [illegible]  
I have just received your letter of the 14th inst.  
and am glad to hear that you are well.  
I am writing you a few lines to let you know  
that I am still in the same way.  
I am very much interested in the  
progress of the [illegible] and  
hope to see you soon.  
I am, dear Mr. [illegible],  
very respectfully,  
Your obedient servant,  
[illegible]



tion in presaging these Evacuations  
 Dr. Solano by Dr. Whill gives observations  
 on this & in France it is cultivated much  
 but whether the course of Fevers are is  
 more irregular here or what is the cause  
 neither I nor any here as far as I know, have  
 been able in many cases to perceive any  
 such thing. And Dr. Whill since he came  
 to Ireland has not been able to discover  
 these varieties of the Pulse which he found  
 in Spain, but I am apt to believe his  
 Imagination has often assisted him  
 before, tho' at same time I really believe  
 there is a foundation for this.

1 Hemorrhage is presaged by a rebound-  
 ing pulse or when there is a doubling of the  
 strokes after every second Beat.

(During the continuance & after before the  
 Eruption of a critical Sweat there is a  
 particular fulness & softness of the Pulse  
 & besides the pulse's weakness there is an







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another called pulsus residuus when the strokes rise above one another in point of strength; as the first shall be weak 2<sup>d</sup> a little stronger & 3<sup>d</sup> still stronger the next again weak.

A soft intermitting pulse generally precedes a Discharge of Urine & a Diarrhoea and if such pulse is hard & intermitting. It presages a critical vomiting.

I shall now give the unfavourable symptoms that appear in continued Inf<sup>y</sup> Fevers which as they are common also in all the other kinds I shall to prevent repetition, give those that attend Fevers in general.

It is always reckoned an unfavourable symptom, when the Thirst goes off and the tongue remains dry. Inflammatory fevers are always attended w<sup>th</sup> more or less Thirst, & when this is not the case it is a symptom of the very worst kind & will always prove fatal, & this very soon.



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soon, commonly in 30 hours.

It's unfavourable when the Urine from the high colour it had suddenly turns white & clear & perfectly limpid & is for common a forerunner of very violent symptoms as Delirium, Coma, Convulsions. But in Hysterical women & men who have great irritability of nervous system, no such conclusions should be made from this appearance.

Sometimes we observe a very great change in the patients Voice, not a hoarseness, but a loss of its usual Tone, called *For elangore* so that people would not think it the same person did they not see him, this too is an unfavourable symptom.

Delirium is surely unfavourable, but if it's not a constant one attended w<sup>th</sup> difficulty of Breathing, or redness of the Eyes it's not so very dangerous, but there are various Degrees of it, as to its Violence, and t. they commonly speak



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speaking thro' their sleep but when wakened  
are sensible enough. this is the mildest  
kind of it.

If you do not speak to them they speak  
incoherently, & if you speak to or ask them  
any questions they answer very sensibly  
there are many more degrees of it, but  
I shall only mention the last or highest  
which is when the patient knows no  
body neither has a connection in his Ideas  
& is utterly insensible of every thing  
you say, but when there is any connection  
of Ideas the case is not so ill.

But a still more unfavourable symp-  
tom than Delirium is Loma, I mean that  
which proceeds from a great degree of  
oppression on the sensorium, & not that  
mentioned as a termination of Fevers  
after they had continued long, viz. sleep-  
ing which continued 2 or three Days  
but a suppression of the symptoms  
Convulsions, general Convulsions I mean



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mean of the whole Body are fatal; In this  
Country few of these happen unless at the  
approach of Death. Indeed some particular  
Patients who have great Irritability of  
Nervous System, sometimes have the se-  
nt they are not to be reckoned so unfavourable  
Tremulus Tendinum is partial convulsions  
that are not always fatal

Coldness of the Extremities are among the  
last Symptoms that attend Fevers and are  
generally fatal Symptoms. This proceeds  
from two Causes 1 from a Spasmodic  
Contraction, or is a nervous complaint wh.  
is not so dangerous as the 2<sup>d</sup> Species wh.  
proceeds from absolute Debility of the Vessels  
to propel the Blood to those parts & this  
last is always a fatal Symptom.

Partial Sweatings about the head & face  
are unfavourable, and Grasping of the Bed  
Cloths, picking up straws, & lying on the back  
with the legs stretched out at full length are



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bad Symptoms, here we may observe that the Patients who are very weak always lie on their Backs with their limbs stretched out, because the blood circulates easiest in this posture.

A Dyspnoea is a bad Symptom in every Fever and in Inflammatory fevers if it continues long indicates that the Lungs are inflamed. Before the Patient dies a few hours, & sometimes but a few Minutes there is always a Dyspnoea and a collection of matter or Phlegm upon the Lungs.

Hiccup is in general an unfavourable Symptom but I have seen a hiccup continue for 3 days in the beginning of a Fever without proving fatal.

Involuntary passing of Urine & Feces are generally very bad Symptoms but not absolutely fatal.

Red Eyes, with an Inflamed & squallid Appearance and Sordes at the corners, commonly attend Delirium of a bad kind and indicates an Inflammation of Brain.



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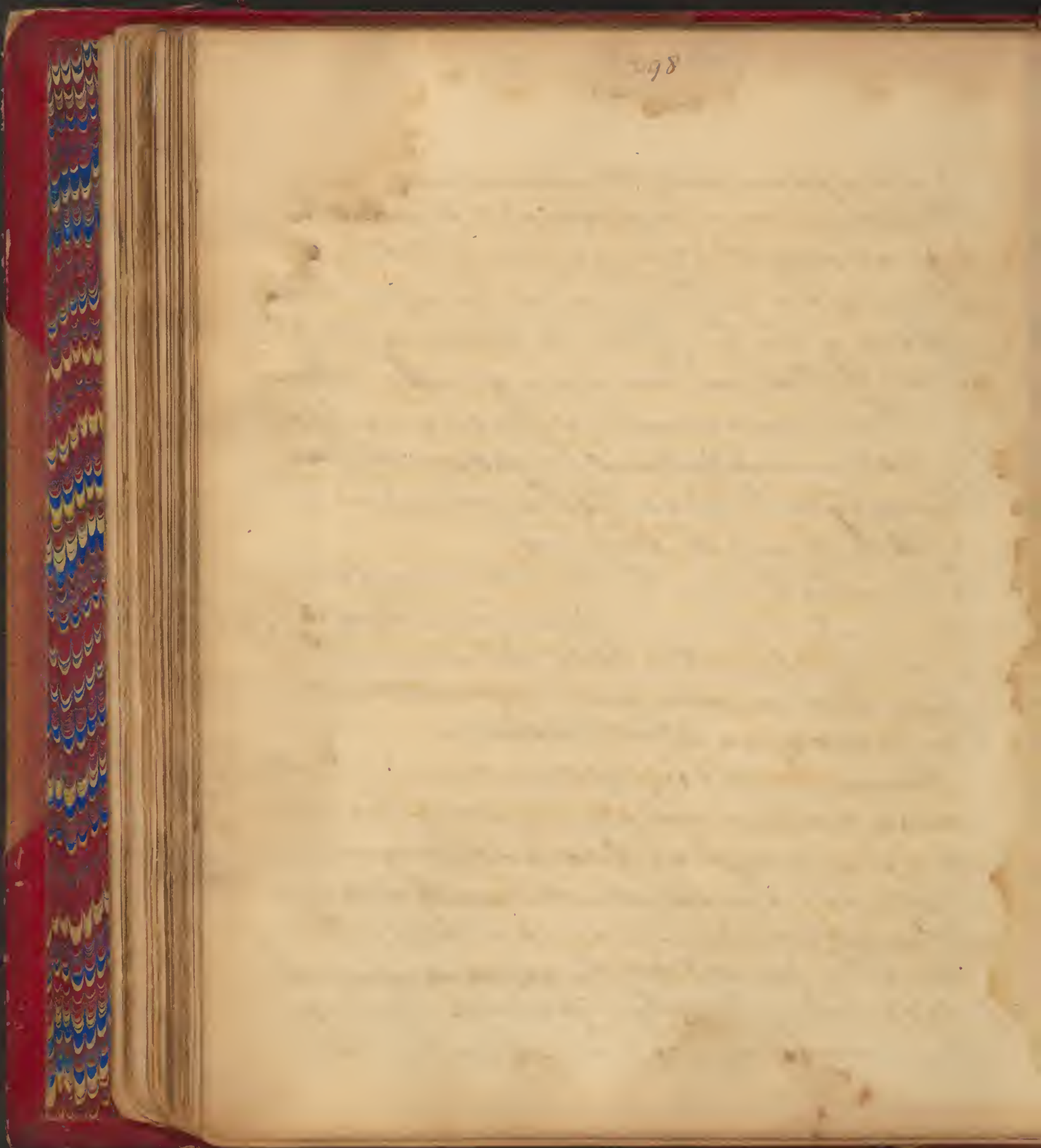


An Eruption called *Purpura alba*. truly  
Miliary is an unfavourable Symptom -  
& generally the consequence of too hot  
Regimen, as I have seen for upon taking  
off some of the bed clothes & opening the Curt-  
ains the Patient has been greatly relieved  
if Physicians consider this as an Effort  
of Nature or a critical Eruption they will  
be ready to heap on Cloths, which is in  
effect killing the Patient.

Diarrhoea when the Stools are very foetid &  
blackish, is a very unfavourable Symptom  
& is called Symptomatick to distinguish it  
from the Diarrhoea formerly mentioned as  
Critical or an Effort of Nature.

Petechie are bad Symptoms & in warm cli-  
mates continued inflammatory Fevers if  
they last very long frequently degenerate  
into putrid Fevers, attended with Petechie  
bloody stools and Urine, and blood issuing  
from the Gums & all the appearances of the  
bloods being greatly discoloured. But then  
these sometimes appear when there is no







no appearance of Putrefaction & these  
 they are always the Effect of too hot a Re-  
 gimen, Sawage is certainly wrong when  
 he says they are without exception the Effect  
 of a hot Regimen, for in the Jail & Hos-  
 pital Fever they are evidently not owing to this.

A weak quick irregular Pulse is a  
 certain indication of approaching Death  
 but in some cases we find the heat greater  
 than the pulse would indicate to us; to judge  
 of the heat by the thermometer, it must be  
 applied within the bed clothes, & kept at the  
 Body for about a Quarter of an hour at least.

Is an unfavourable appearance when  
 the Patient lies quiet in bed with his Eyes  
 open, without sleeping, or speaking any  
 thing, & when you attempt to feel his Arm  
 retracts it, with a trembling in his hands

After a fever has remitted and gone a little  
 off if the pulse become quick  
 the face flushed & the Tunica Albuginea of the  
 Eye of a shining colour



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There is a hectic fever come on.

As the were formerly mentioned as Criticisms in this fever, but sometimes they are only symptomatick, and if the Tongue becomes suddenly clean, with a great heat of the Gum we may expect them.

In all fevers there is a greater than or. Ordinary sensibility of the Eyes, but if this is either too great or too little tis a bad Symptom. If the insensibility is so great that the Pupil when exposed to strong light does not contract, tis a fatal Symptom. Deafness is of various imports in Fevers if there is inflammation of the Eyes & great pain & disorder in the head it's a bad Symptom, but in general when it comes on alone & about the end of the Fever is one of the most universally good Symptom known.

A Delirium coming on suddenly is always dangerous, but when its progress is gradual there is not so much danger. In Children a Delirium soon follows the attack of the fever which generally proceeds in them from faint







ful & stomach, but is commonly removed  
by a Vomiter & laxative to cleanse the P. V.

When the Breathing becomes slow, with a  
kind of stop after every expiration and  
if at the same time the pulse is slow soft &  
full it's a very bad Case & generally proceeds  
a Loma, but is very apt to impose upon  
a Physician & make him imagine the fever  
quite gone

It's a very unfavourable Symptom when  
in the last motion the Patient faints, and  
is a constant attendant on putrid fevers, but  
in Inflammatory fevers is a sign they  
are degenerating into a putrid Fever.

Small bleedings at those are unfavourable  
when there is no abatement of the Symptoms.

If after a Patient begins to recover his  
Urine lets fall no Sediment it's a sign  
he will relapse, tho' sometimes indeed this  
will not happen, yet I never think any Patient  
out of danger of a relapse till such time as  
this Sediment appears in the Urine.



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Urine. I shall now proceed to the proximate cause of Inflammatory Fevers, but to say little to add to what I gave of Fever in general and no person so far as I know has given a proximate cause of every different fever or a more satisfactory account of it.

All I shall add here is that many Symptoms proceed from morbid affections of Brain when little thought of and no appearance of its being greatly affected, as has been made evident by morbid Dissections, where the Brain has been found inflamed, & suppurated & the Ventricles distended w<sup>th</sup> fluids thus Nausea & vomiting may proceed from many different causes & they may proceed from foul stomach, at other times from Nervous affections of the stomach, and at other times from a morbid <sup>torpid</sup> affection of the Brain for we see people who have got violent stroke on the head very often fall a vomiting & here we could not suppose it was the fault of the stomach that occasioned it. I formerly took notice of the Theory of Putrefac.







Putrefaction, Morbid Matter, &c.

The febrile heat depends on the same Cause as the natural, only acting in a greater Degree, not on mechanical Attrition necessarily for we find that when the Pulse is weakest & consequently the Attrition less the heat is greatest as at the End of some Fevers, it should seem rather to depend on Chemical Mixture

An Addition to the proximate Cause of Fever already given is the Appearance of the Blood in Inflammatory Fevers.

Dr Pringle has given us several observations with respect to the Buffy coat that appears on it & some of its Qualities as that it's volatile &c but does not mention whether taken from a person in a fever or not

There has been great Stress laid on this Buffy coat of the Blood, tho' little certain can be had from it because it is sometimes wanting entirely in these fevers & sometimes persons in health have it & women with Child always



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always. It likewise depends some times on the Bloods flowing in a full stream from the Vein out of a large Orifice, and we find the 1<sup>st</sup> & 2<sup>d</sup> Cup has it when there will none appear on the last, this is owing to the Bloods flowing in a large stream at first, & then trickling down the Arm. Dr Haine mentions many circumstances relative to this Coat which I have never been able to observe. he says that at the same bleeding the Buffy Coat shall be most in the 1<sup>st</sup> & 3<sup>d</sup> Cups & least in the 2<sup>d</sup> & 4<sup>th</sup> and that at same bleeding he has seen the blood with the Buffy Coat in the one Cup & in the next dissolved alternately. this I cannot believe but think his Imagination has imposed on him. There are three particular circumstances that varie the appearance of the Blood 1. Heat, 2. Exhalation & lastly Motion.

In a heat equal to 96° on Fahrenheit's Thermometer there was no separation into fra-





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Crassamentum & Serum and at the freezing point the same happened.

The Exhalation is in proportion to the heat hence it's greater in different seasons and in large vessels than in small and in blooding the Exhalation is greater if it be checked down the Arm than if it flows in a full stream. A Ligature on the Arm when Strait prevents its separation. Vide Dr. Sane's Observations on this.

The Blood being suddenly exposed to cold in shallow vessels or deep ones with small mouth is very apt to deceive us with its Appearance, before we are aware of this heat it does not separate into Crassamentum & Serum...

Other circumstances relative to the Buffy coat of the blood should be attended to as that it appears in people in the highest heat especially those who are used to blood in the Spring & in winter it's commonly to be found & if there has been a Strait Ligature, Women with Child always have it & we likewise find it in slow Rheumatick Com







Complaints without fever, from this  
as was before observed we may see there  
is no great stress to be laid on it as  
some pretend, yet *ceteris paribus* it  
is generally an attendant on Inflam-  
matory Fevers.

Lect

Nov. 25

r. 68

I come now to treat of the cure of the  
Continued Inflammatory Fever, which  
as in the cure of Intermittents, cannot be  
had or indicated by the knowledge of the  
full & immediate Proximate Cause of Fever  
hence the necessity of allowing particular  
Symptoms as Prox. Cause: Just as in Inter-  
mittents so here likewise Nature makes  
Fever an instrument for the removal of  
other Diseases & to invigorate the Consti-  
tution. we should therefore in the cure be  
assiduous in observing whether the fever  
is an effort of this kind or one arising from  
any other cause. There are some Epidemical  
fevers of this Genus in which the symptoms  
are not very violent, and commonly carried



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carried off by Nature in a week or so with  
no assistance from Medicine, & Physicians  
should not meddle with such only palliate  
the most violent Symptoms - Sometimes  
a Fever will arise from taking in too much  
food at once, but is soon carried off by E-  
vacuations. I have reduced the general

Indications under the following heads

1. We always should in continued Inflam-  
matory Fevers endeavour to take off the  
thorax if there is one, by Evacuations of Blood  
by Vomits & Catharticks -
2. To moderate the Febrile heat, by a cool  
Regimen, as admitting fresh Air, by Evacu-  
tions as bleeding.
3. In fevers there is an unequal Determi-  
nation of the Blood & Nervous power to dif-  
ferent parts of the Body, hence we should take  
off the excess, & promote Secretion by Bleeding  
& other Evacuations by Neutral Salt & warm Bath.
4. When there are local Congestions in any  
particular place we are to remove these  
by topical Evacuations & Applications, to the







the first belongs to bleeding & phlebotomy and  
to the other toomentations

§. We ought to support <sup>the</sup> Nobility (Peers) & Bishops.

C. To endeavour to mitigate the violence of the symptoms, as want of sleep, Delirium and such like.

You will in general find in authors the Indications of Fevers deduced from the supposed knowledge of the proximate cause of Fevers. And Auster & Acrimony are the chief that have been assigned. The Medicines adapted to the former Theory were generally of robust & strong nature in Fevers & some were very proper but the Medicines adapted to removing Acrimony were evidently pernicious & of the very worst consequence, for by supposing an Acid Acrimony the cause of Fevers they were induced to give great Quantities of sweet Powders & volatile alkaline Salts.

Now I proceed to give my particular indica-  
tions on the Remedy adapted to the above  
indications of cure, and first of bleeding







There are two circumstances that render  
Bleeding particularly necessary in these  
Fever, 1<sup>st</sup> Appearance of fulness 2<sup>d</sup> The Seve-  
rity of the Febrile Symptoms.

The Effects of Bleeding are that it makes the  
Pulse softer and slower, when before it was  
full & tense & hard. But it often happens in  
Inflammatory fevers that the Pulse is oppressed  
and small, this is very apt to impose on a young  
Physician and make him afraid of Bleeding  
but no case requires it more, & if he is doubt-  
ful there can be no matter of taking 5 or 6 un-  
ces of Blood in the beginning of the fever &  
if upon this the Pulse still be may proceed  
or if necessary repeat it, for the general Effect  
of Bleeding is to make the Pulse softer and a  
little slower — Another good Effect of Bleeding  
is to take off the heat & lessen the Anxiety &  
beat the Procordia; it likewise takes away  
Spasmodic Stricture & promotes the different  
Secretions, which in fevers are generally lessened  
especially that by the Skin, which Bleeding  
often promotes & if universally dispersed



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



over the Body often carries off the fever entirely especially if it proceed from any error in the nonnaturals.

There is another Effect of Blooding to remove Obstructions & morbid Congestions in particular places, to cause a more equal Distribution of the Blood and to make a Revulsion from any place where it is determined more than ordinary to one place. hence we see Hemorrhagies from the Nose & Lungs & stop by blooding in the Arm.

Another Effect still is that the Blood is rendered thinner for people who have been accustomed to bleed often have less proportion of Crassamentum to the Serum than they had before this custom, and in Cases not attended with Fever as well as where there is, the Crassamentum is less & in Fevers what is of it is extremely viscid & tenacious.

I shall now mention the particular Circumstances as to its use & propriety.

- 1 Blooding is much better born by persons of a thin habit in general, than fat & full.
- 2 Blooding is by far better born by young







young, than either Infants or old people.  
 The old indeed in Inflammatory Diseases do  
 generally bear bleeding well enough pro-  
 vided you take not much away at once,  
 which if it be done generally weakens them  
 very much. But Children of 5 & 6 years of  
 Age bear this evacuation very ill, & serious  
 ones much better than the adults. But in some  
 cases it may be necessary where the Fever  
 runs high, but even here it should be gone  
 about cautiously. Leeches are commonly  
 used to such but ought to be stoppt & not  
 as is the common custom allowed to bleed  
 10 or 12 hours. I myself have seen Instances  
 where this has proved absolutely the cause  
 of their Death in the ensuing Disease.  
 It indeed does not weaken so much, being  
 taken from the Surface, if they are stoppt in  
 time. Bleeding is in generall co-  
 sideris paribus better born by men than women  
 from whom we ought not to take it in large  
 Quantities. People of a tense fibres & a  
 vigorous Nervous System, do in general  
 bear it better than those of a lax habit & Nervous.



My dear friend, I have just received your letter of the 10th inst. and am  
glad to hear from you. I am well and hope these few lines will find you  
the same. I have been thinking much of late about the future of our  
country and the state of our Union. It seems to me that we are  
approaching a crisis, and that the result will determine whether we are  
to remain a united people or become a collection of warring states.  
I believe that the only way to preserve our Union is by maintaining  
the principles of liberty and justice for all. We must not allow  
ourselves to be divided by sectional interests or by the passions of the  
moment. We must stand firm by the principles which have made us  
a great people, and we must not allow ourselves to be led astray by  
the temptations of power or of popularity. I believe that if we do  
this, we will be able to preserve our Union and to secure the  
happiness and prosperity of our people. I am, my friend, your  
truly, your friend, Wm. Lloyd Garrison.



Nervous System, but many women of a relaxed habit become very plethoric & are enabled to take blood from them which they will bear very well provided you do not take too much <sup>at once</sup> from them. They undergo labour under a venous Plethora as we may see by the turgid & full appearance of their veins.

In general it is better borne by people that live in a cold temperate climate than those that live in warm climates, & is pernicious in putrid fevers, where a very little quantity sinks the Pulse very much - hence as Inflammatory Fevers in these <sup>hot</sup> Climates are very apt to degenerate into putrid fever, bleeding should be undertaken cautiously.

In Winter & Spring Bleeding is better borne than in Summer or Autumn. And those who have been accustomed to the evacuation, can bear it better than those who have not & in slight febrile Disorders require large Bleeding where persons who have not been used to it, could lose none at all, & would not require it. The time



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time most proper for bleeding a patient  
in a fever without doubt is in the beginning  
but if necessity require it, any time of the  
Disorder will do. It has been laid down  
as a Rule never to bleed a woman who has  
her Menses on her or her Lochia, but if Sym-  
ptoms are urgent, no regard ought to be had  
to these circumstances, & bleeding is not ob-  
served to be apt to stop these evacuations, how-  
ever as the women themselves are so pre-  
judiced against this to prevent Reflexions  
Physicians should make it a point of pru-  
dence not to be very rash in case of failure.

When speaking of the full proximate Cause of  
Fever I mentioned that Scurvy Blood was  
not the only full Proximate Cause but when  
it is very much so the Patient will bear  
it better & if his pulse is full or is hard it  
may be safely repeated. It has been a Rule  
to repeat the Bleeding if a little after the vein  
is opened it runs faster & more briskly  
but this can be no general Rule - however  
when it runs faster & is more abundant it may be done







done, pretty safely.

We find Bleeding & Animæ Diligium  
 presented by the Ancients innocent (as  
 but this is very fallacious, because we  
 frequently find Patients faint before they  
 have lost 15 ounces of Blood & others that  
 will bear the loss of 2 or 3 lib. before they faint  
 which Quantity taken at once from the  
 most robust & vigorous would certainly  
 induce great debility & particularly affect  
 the Nervous System. Fainting may be  
 in a great measure prevented by bleeding  
 the Patient in a recumbent posture & stop-  
 ping the Orifice frequently. Sometimes when  
 the Patient has lost so much blood as not  
 to allow of opening a Vein, cupping and scar-  
 ifying may be substituted, & they will bear the  
 loss of 5 or 6 ounces taken this way better than  
 1 ounce from a Ven, but the slower the va-  
 cuation the less ready is the Patient to faint  
 However unless when the Patient is very low







The quicker & larger the orifice so much the better & it is better to take a small quantity at once & repeat the operation if the pulse rise, than a Great quantity together, in general 10 or 12 ounces may be reckoned a medium, but added en less of any quantity of blood affects the Constitution & Nervous System

The Place from whence the Blood should be extracted has been a subject of Dispute before the Discovery of the circulation. And it was the received opinion then that some particular places of the Body were preferable to others for this purpose, but since that Discovery the next Theory was that it made no manner of odds from what place it was taken & the same was their opinion with respect to the Application of Blesters; however this is now found to be a false Notion, for in some particular Diseases it makes a very material Difference



*[Faint, illegible handwritten text, likely a list or account, covering the majority of the page.]*



Difference as in particular Congestions of  
any place (supposing & clarifying, immediately  
on the place affected is of the greatest consequence.

By the laws of Hydraulicks it has been  
attempted to determine the place properest  
for making this evacuation, but this will  
never be able to do it & for all the time it  
has been practiced, it still remains to  
be decided by Experience & Observation.

However in generall the nearer the place  
affected the Evacuation is made the better  
but it has been said that the first blood  
should be drawn as far from it as pos-  
sible, and it is said in affections of the head  
blooding in the ankle or foot is more effec-  
tual than in the Arm, but this should be  
no general Rule, because particular  
circumstances may make blooding in the  
Arm preferable as small veins in the foot  
which would not make a speedy enough  
Evacuation - In treating of particular In-







Inflammatory Diseases I shall mention  
the particular place of the Body from  
whence the Blood should be drawn.

In France its customary to take away  
a great Quantity of Blood in every  
Febrile Disorder & repeat it often, but  
then the inhabitants are so accustomed  
with it that they bear it very well; the  
same quantity taken from a stranger  
would soon despatch him or leave him  
so weak as never to recover the Effects of  
it in his whole life again, but the French  
Physicians have now begun to be a little  
more sparing of human Blood than formerly.

The next Remedy in the cure of Fevers was  
Vomites and the Circumstances indicating  
these as necessary were Nausea, Anxiety,  
constant restlessness, a foul Tongue and a  
Disposition to Diarrhoea especially in the  
beginning, which if not prevented by a Vomite  
proved not a Critical but Colliquative Diarrhoea







Diarrhoea or Symptomatic. In all continued Inflammatory Fevers before the Exhibition of a Vomitive the Patient should be bled if there is the least appearance of Plethora or headach. but in cases when there is no fever & the head much affected a vomitive may be taken with no risk of increasing the headach, but if it proceeds from sanguine Congestion bleeding must be premised. Dr. Sydenham always after the Operation of a Vomitive or Cathartic gave an Anodyne Draught to quiet as he called it the Commotion, however in cases of the head being much affected I would not advise it in Inflammatory Fevers but if the head ease it assists the Vomitive greatly in making the Patient perspire & sweat all over. The Effect of a Vomitive is to cleanse the Stomach, to take off Spasms & promote sweat & cure the headach. Vomitives are particularly proper in Childrens fevers







Fevers, because they most commonly arise from Disorders of the N. V. & Nature seems to point this to us because children vomite much easier than Adults & when they take in too much Milk they always throw up what is superfluous, and in general the younger Children are the better & easier do they vomite.

Adults bear vomiting, some, better than others, but do not vomite with such ease as Infants; in some grown persons the operation of the vomite is so severe and violent as often to endanger a Rupture of the Vessels & in general long thin persons, and those who have a long neck are most distressed with this operation of vomiting so that its proper use should be acquainted with this circumstance before we prescribe a vomite for any body.

I formerly took notice that Vomites promoted sweat; by which, being given in the beginning of Fevers that come by infection it often has the good effect to prevent the farther Advance of the fever & cure it entirely







entirely - It was formerly a Rule never to  
 give a Vomitive but in the beginning of  
 fevers; this is far from being well founded  
 and if the symptoms indicating its propriety  
 are present there needs be no doubt of its  
 good effects, and there will be no Danger  
 in its exhibition. The Vomits mostly used  
 now are the Ipecacuanha and Emetic Tartar  
 the first of which is indeed more certain  
 as to its effect of Vomiting, but the Emetic  
 tartar besides <sup>its activity</sup> has this in general, likewise  
 produces a stool or so & unloads the whole  
 Intestinal Canal. Ipecacuanha in the Quan-  
 tity of viij or x grains will have as much  
 the power of Vomiting as in the old Dose of  
 ℥ss, but sometimes to quicken its Operation  
 the more may be given. Some Catharticks  
 will in a less Dose than is commonly given  
 operate sufficiently well.

Of the Use of Catharticks in Fevers  
 I mentioned before that in the beginning  
 of this Fever the P.V. should be cleansed, and  
 if the Emetic has not had the Effect of pro-



312.



producing a stool; a gentle Cathartic should be given to evacuate the contents of the Guts especially when there are symptoms that indicate any putrid Colic in this canal, as Anxiety of praecordia, Swelling of the Stomach & bad taste of the mouth, accompanied with a Redundancy of Bile; this is the practice of the followers of Hippocrates, but they do not give either the Vomitive or Cathartic with an Intention of removing the Fever by them at once but to evacuate these indigested & Putrid contents of the Guts - Acrid Stimulating and Drastick Catharticks should not be allowed in Continued Inflammatory Fevers After every Fever it was a rule to give Physick but unless there has been any putrid evacuations from the Belly, no more is necessary than to keep it gently open -

In all Inflammatory Fevers it has now become a practice to give an emollient Glyster every Day, not merely to evacuate, but also to relax the Guts & be a kind of Solus to the



The first of these is the fact that the  
 number of the series is 100. The second  
 fact is that the series is a geometric  
 progression. The third fact is that the  
 common ratio is 2. The fourth fact is  
 that the first term is 1. The fifth fact  
 is that the sum of the series is 1023.  
 The sixth fact is that the series is  
 a finite series. The seventh fact is  
 that the series is a positive series.  
 The eighth fact is that the series is  
 a decreasing series. The ninth fact is  
 that the series is a convergent series.  
 The tenth fact is that the series is a  
 divergent series.



The neighbouring Nerve, to act as a warm bath & consequently as an antispasmodic & perhaps one of the best Glysters is warm water alone. In Cases where the Patient does not drink enough one of this kind will if thrown up every 2 or 3 hours generally be retained & supply the place of even in a great measure at least the Danger arising from not drinking is by this means greatly diminished.

I have seen excellent Glysters of water warm, or with oil or mucilage cure a Fever, mucus & Diarrhoea by carrying off the Acrid stimulating colluvies that occasioned them.

Of the Regimen in Cont. Inflamm. & Fevers  
Patients in Fevers have in general a loss of Appetite, and it serves no manner of purpose to force them to eat, but a bad one, because after they have eaten they are never easy again. It is either thrown up or descends into the Intestinal Canal; and what they do take should be light of easy Digestion, & frequent, and Antiseptic, the best nourishment is that



*[The text on this page is extremely faint and illegible due to fading and bleed-through from the reverse side. It appears to be a continuous block of text, possibly a letter or a chapter section.]*



Aganada, roasted Apples and for drink whey  
Lemonade, toast and water Barley water &  
small beer, either alone or with *Sp. Nitri*.

There has been a general prejudice against  
matt liquors in fevers, which if Aronzi is  
indeed dead that small beer may be allowed  
them especially if they have been accu-  
stomed to it, before; It was *Hydintram* favorite.

Tar water was once in great Vogue and  
Drunk every Day in considerable quantity  
in fevers, and a very nauseous drink it  
certainly was, & contained nothing but a ve-  
getable Acid combined with an *Empyreuema*.  
The Oil; but a vegetable Acid may be given  
in a much more agreeable form, and as  
patients in these fevers ought to drink  
much, we should to encourage them make  
it as palatable as possible, and when they  
weary with one have variety to present.  
Weak Lemonade is indeed the most agree-  
able & best I know especially if a little  
*Rhinish wine* is added.

It was formerly a practice to give medica-  
ted Decoctions, as Demulcents, Attendants



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



Attenuants: and under other names, these  
 besides their disagreeableness were of <sup>no</sup> advantage  
 more than cold water.

It was and to this Day is a practice in vogue  
 among many Physicians, to order all the  
 Drink to be given warm, but this is cer-  
 tainly contrary to the Indications of Nature.  
 Indeed when there is Topical Inflammation  
 there may be danger in giving the Drink very  
 cold, but in fevers when this is not present  
 the Drink should be always cold, & in some  
 cases we find it necessary to give it exceed-  
 ingly cold, which in warm Climates is often prac-  
 tised with the best success.

Some Authors of the best Character have  
 laid it down as a principle that cold water  
 will not mix with the Blood in less some  
 things asaponaceous is added as Syrup Gum.  
 but this is a mere piece of theory: & they sup-  
 port it upon this that the Urine grows pale  
 the more water they Drink & that it passes  
 off by the Kidneys just as they took it in,  
 but had they examined the Urine after



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after drinking largely of any thing else  
 they would have found it grow pale inpro-  
 portion to the Quantity drunk; & Symps  
 are a bad addition to water because they  
 both increase thirst and at the same time  
 the patient loathes every thing that's sweet.  
 The good Effects of Cold drink in fevers are  
 principally these 1. It acts as a high Cordial  
 in removing Nausea & raising the Spirits.  
 2. It acts as a powerfull Diaphoretic & even  
 Sudorifick. 3. It acts directly on the febrile  
 heat in extinguishing it, & lowering the Pulse  
 so that Cold Drink when use abates all the Essen-  
 tial Symptoms. But we find it sometimes  
 necessary to regulate the Quantity, because  
 when taken into the stomach at one draught  
 suddenly it creates Nausea & Diarrhea; tho  
 when you want it to act as a Sudorifick  
 it is necessary to give it <sup>in</sup> considerable quan-  
 tity. — Hippocrates his Practice was to give  
 the water colder in proportion as the fever  
 grew higher, & Galen improving upon this  
 never gives it but upon the Critical Days.



The first of these is the fact that the  
 world is not a uniform whole, but a  
 collection of many different parts, each  
 with its own characteristics and laws.  
 This is the principle of diversity, and it is  
 the foundation of all knowledge.  
 The second is the fact that the world is  
 not a static whole, but a collection of  
 many different parts, each with its own  
 characteristics and laws. This is the  
 principle of change, and it is the  
 foundation of all knowledge.  
 The third is the fact that the world is  
 not a uniform whole, but a collection of  
 many different parts, each with its own  
 characteristics and laws. This is the  
 principle of diversity, and it is the  
 foundation of all knowledge.  
 The fourth is the fact that the world is  
 not a static whole, but a collection of  
 many different parts, each with its own  
 characteristics and laws. This is the  
 principle of change, and it is the  
 foundation of all knowledge.  
 The fifth is the fact that the world is  
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 many different parts, each with its own  
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 principle of diversity, and it is the  
 foundation of all knowledge.  
 The sixth is the fact that the world is  
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 many different parts, each with its own  
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 principle of change, and it is the  
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 many different parts, each with its own  
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 principle of diversity, and it is the  
 foundation of all knowledge.  
 The eighth is the fact that the world is  
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 many different parts, each with its own  
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 principle of change, and it is the  
 foundation of all knowledge.  
 The ninth is the fact that the world is  
 not a uniform whole, but a collection of  
 many different parts, each with its own  
 characteristics and laws. This is the  
 principle of diversity, and it is the  
 foundation of all knowledge.  
 The tenth is the fact that the world is  
 not a static whole, but a collection of  
 many different parts, each with its own  
 characteristics and laws. This is the  
 principle of change, and it is the  
 foundation of all knowledge.



350.  
Days. Cold drink or water is certainly a more  
effectual Sudorific than warm and when people  
in fevers are warm may be given to produce  
a sweat & even in the time of sweat.

As to the nourishment in fevers of 10 or  
12 Days continuance only, tho' the Patients  
take almost none at all, little harm will  
be done; but in long Fevers some must  
be given to support the Vis Vits, and in people  
who have been accustomed to live high, this  
Antiphlogistic Regimen will not be proper.  
In great Drinkers especially these drinks  
will not do they must be allowed Wine or  
even Spirits if they have been formerly  
accustomed to them.

Spirit is in generall exceedingly proper  
in these Fevers, it has a Tendency to keep the  
Belly open & to quench the thirst and to correct  
the Bile. Nature seems to point out this use  
in Fevers, by the vast variety & profusion  
of them in the warm Climates, & from the  
great liking the sick manifest for them.







them. — Cool Air is one of the most useful & best things, and the greatest Improvement I think in Medicine. Before Sydenham's time it was thought that something hurtful was to be sent off by the skin, and that this might be the sooner & more effectually done they gave Sudorifics & no other. Ilerial Boluses & Mixtures & loaded the Patients with Bed Cloths; but Sydenham's Judgement informed him that this was wrong & instead of this he introduced the Cool Regimen which was a great merit in him & an Improvement<sup>m</sup> in medicine of vast Advantage. we now are persuaded of the good Effect of Cool Air in the small Pox, & I hope will soon be worn in most fevers. I do not mean to desire the patient to lye in the open Air, no, but only to be kept in a fresh cool Air, & not in a stave, something provided the Air is not putrid it will do no harm, but I apprehend that fresh Cool Air is likewise







Under the head of regimen: light has been  
 by some kept entirely from the Patient,  
 but provided he can bear it easily, & is  
 free from Delirium; there can be no ill in  
 letting him be in the same degree of it as  
 when in health. But it is very necessary  
 to keep Patients in a fever quiet, espe-  
 cially if they have any appearance of Delir-  
 ium; and that absurd & hurtful way their  
 Friends have of visiting them is always  
 a great means to increase the Delirium  
 because every object makes a greater im-  
 pression on them & disorders the formation  
 of their thoughts.

In warm climates it is customary  
 to sprinkle the room floor when the sick  
 ly with Vinegar and water and to strew  
 branches of Trees with the Dew yet upon  
 them which is of great service in cooling  
 & freshening the Air.

Another Good Practice was keeping the



*[The text on this page is extremely faint and illegible, appearing to be a single paragraph of handwritten script.]*



the Patients constantly in Bed, but they may  
 be safely taken up as often and long as they can  
 bear it, & it lessens the fever & heat & likewise  
 allows them more fresh Air - People are very  
 apprehensive of getting cold by throwing out  
 their Legs and Arms, but this is a sign they are  
 too warm, more clothes should not be kept on  
 the Bed than when they were well & seldom so many  
 we see people when they get drunk & are put to  
 bed always throw out their legs & arms but  
 with no bad consequence to their health so  
 that in fevers unless the rest of the Body is  
 very warm, there will be little danger in this  
 Dr. Sydenham recommends the practice  
 of taking the Patients frequently out of bed &  
 only mentions one bad effect arising from it  
 which is <sup>of</sup> found no where else mentioned, I am  
 of opinion was merely accidental, it was that  
 this practice produced some slight Rheumatism  
 in one and a Jaundice, but both went off upon  
 the Patients being put to bed again.  
 In these Fevers, Twelve hours for the first day



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



Days allowed the Patient neither meat nor drink, not even to wash his mouth and if they were likely to fall asleep some body that waited on them was to prevent them & he exposed them to the greatest glare of light - than which Practice of his nothing shews more evidently how far human reason may be perverted by Theory.

Acids are very proper, in Continued Inflammatory Fevers, their Effects are to allay thirst to promote secretion as by Urine & Diaporesis but their Operation does not depend on any alteration induced by them, on the Texture of the Blood, they are given in too little Quantity for this; but it may arise from the stimulus where with they affect these Organs & the degree of heat of the body makes them act as diuretics or diaphoretics.

You may perceive I make a distinction betwixt Acids & Ascents. Acids check Fermentation, but Ascents increase it Acids likewise remove Nausea in Fevers.







Fever, and Vegetable Acids are most agreeable.

*Lect.* Of the Use of Diaphoreticks in Cont. Int. Fever.

*8 Oct. 29.*  
*1708.* It was a Practice formerly to give these Medicines very liberally & frequently in all Fevers, & still continues to be the Practice in many places to this Day, but in England is wearing out & in Scotland is quite laid aside. Many Medicines have been given for this End & the most proper are the Neutral Salts. Boerhaave recommended Nitre as the best, but there is an obvious Objection to its use; and that is, it raises a Nausea more than any one of this tribe. Where the Muriatic Salt prevails it always produces Thirst, & therefore where the Vegetable Acid is, the Salts are best. Saline Draughts are now most in use, of Salt of worm wood & Juice of Lemons after the Effluvia are but more acid should be given than is sufficient to make it a Neutral Salt, Volatile Alkalies act as Diaphoreticks, in



The first of these is the fact that the  
 world is not a uniform whole, but is  
 composed of many different parts, each  
 of which has its own peculiar character  
 and its own laws. This is the case with  
 the human mind, which is not a single  
 entity, but is composed of many different  
 faculties, each of which has its own  
 peculiar powers and its own laws. It is  
 the duty of the philosopher to study  
 these different faculties, and to discover  
 the laws which govern them. This is the  
 first step towards a true knowledge of  
 the human mind, and it is the first  
 step towards a true knowledge of the  
 world.



in consequence of altering the texture of  
 the Blood, & they prove this by mixing them  
 with blood extracted from the Body, but  
 then the proportion of the Alkaline mixed  
 with it is by far greater than we can  
 suppose to enter the Blood, I rather think  
 that the secretory Organs are affected by  
 the stimulus these medicines have or that  
 the sweat is owing to the particular way  
 in which they affect the stomach which is  
 of so very nervous & sensible a nature;  
 but in so small Quantities as these are  
 given nothing can alter the Texture of the  
 Blood. It is observed that these Medicines  
 increase heat much, & of consequence Fever  
 & hence loosen all the secretions, so that these  
 Forced sweats must certainly be of ill Con-  
 sequence. Dr. Ferrius says fevers are never  
 carried off by sweats of any kind, but in  
 this he is wrong, for we often find Natural  
 Sweats prove criticall







Testacea have been given with a view to pro-  
 mote Diaphoresis, but their Operation entirely  
 depends on the Quantity of Acid they meet with  
 in the Stomach, where there is a natural Acid.  
 if there happens to be any quantity of it they  
 then act as purgatives, but are very disagreeable  
 to the Patient, and in warm climates where  
 such fevers are apt to degenerate into putrid  
 ones, even before this happens the Testacea will  
 tend to accelerate it, being of a Septic Nature.  
 (Do not mean that the Testacea will bring  
 on a putrid Fever or that they will enter the  
 Blood I believe they never do, but they may  
 by this Septic Quality affect the Stomach &  
 Contents, with this Disposition.

There is a hot medicine of this kind, which  
 to this day is much prescribed, & is reputed  
 but I never saw any sensible good effect  
 from it, even Physicians who do prescribe  
 it most frequently own the same, & am  
 very certain of exceeding Nauseous, where  
 fore then should we give such Medicines as



The first of these is the fact that the  
 system of the world is not a simple  
 one. It is a complex one, and it is  
 one that is constantly changing. The  
 system of the world is not a static  
 one, but it is a dynamic one. It is  
 one that is constantly evolving, and  
 it is one that is constantly adapting  
 to the changes that are taking place  
 around it. The system of the world  
 is not a simple one, but it is a  
 complex one. It is a system that  
 is constantly changing, and it is a  
 system that is constantly adapting  
 to the changes that are taking place  
 around it. The system of the world  
 is not a static one, but it is a  
 dynamic one. It is a system that  
 is constantly evolving, and it is a  
 system that is constantly adapting  
 to the changes that are taking place  
 around it.



as can have no good Effect, but on the contrary  
Disgust the Patient & create a Nausea.

The Pearl Julep is a medicine that is very  
frequently prescribed & is the most insigni-  
ficant of the whole tribe, but can do no harm.

When Absorbents are given in any con-  
siderable Quantity, & meet with no Acid  
in the Stomach, they concreate with the Time  
& cause Sicknefs & great Nausea.

Absorbents of Animal Substances are worst  
of the Use of Foment. & warm Bath.

The Effects of Fomentation & warm Bathing  
are to take off & prevent Spasm, to promote  
an equable Distribution to the Extremities  
of the Blood, & relieve the head; whenever there  
is an increased Determination of the Blood  
to the head, which we know by redness of the  
face, Pulsation & throbbing of Carotid Arteries,  
occasioning Violent Headach, Delirium &c. this  
removes the headach, takes off Delirium, and  
disposes to sleep. And in cases of Delirium  
when the Patient will not drink, the Quantity







Quantity of Liquid absorbed by the Skin is of very great service in preventing the bad effects that might ensue from not drinking.

But independent of all these Advantages warm bathing has a certain agreeable effect on the Nerves which we cannot account for; if we go into a warm bath after being fatigued we shall in a few minutes find as much refreshment as much refreshed as if we had slept 6 or 8 hours, and to this agreeable effect on the Nervous System is owing the refreshing quality of 3 or 4 cups of Tea we cannot think it's owing to any Virtue in the Tea, but that it acts as a warm bath to the Internal parts.

There are circumstances indicating the propriety of Pediluvia in Fevers, as not drinking, violent headache, Delirium from unequal Determination of Blood to the head; a dry parched skin, and coldness of Extremities in all these cases it's of great service and







Service and very necessary. And in cases where there is any Degree of oppression on the Nervous System producing Subulcus Tendinum & Convulsions to the Degree of making the limbs jump from the bed Warm bathing & Pediluvia is the best remedy.

But there is a certain effect from Pediluvia that cannot be answered either by Stupes wrung out among the water or by its Steams which does not depend on heat, or warm cloths dry would do, nor moisture nor Derivation, or wet cloths & Steams would answer the same Intention.

We should be exact in the Degree of heat in the water for if too hott, it's found to increase the fever, the proper Degree of heat is 95 to 100 on Farenheit's Thermometer but if it exceed this & rise to 102, or 106 it's generally found hurtfull.

Temperate Baths, or such Baths as when the Patient is put into them he has at first a slight sensation of Cold, but then feels it



The first part of the manuscript is a list of names  
 and places, written in a cursive hand. The names  
 are arranged in columns, and the places are  
 listed in a separate column. The list includes  
 names of individuals and locations, such as  
 "John Smith" and "New York". The second  
 part of the manuscript is a series of notes  
 and observations, written in a cursive hand. The  
 notes are arranged in paragraphs, and the  
 observations are written in a separate column. The  
 notes include descriptions of events and  
 observations, such as "The weather was  
 very good" and "The people were very  
 friendly". The third part of the manuscript  
 is a series of dates and times, written in a  
 cursive hand. The dates are arranged in  
 columns, and the times are listed in a  
 separate column. The dates include  
 "January 1st" and "February 1st". The  
 times include "10 o'clock" and "11 o'clock".



it agreeably warm, have a very remarkable Effect on the Nervous System & take off Anxiety & relieve the head &c.

In all high Inflammatory Fevers attended with Delirium Subsultus Tremor &c. when the Pat. cannot be taken up, Cloths wrung out of warm water, and applied to the Legs and Arms supply the place of warm bathing but care should be taken to keep the Wet Cloths dry, & keep these places among the Cloths afterwards - It would be eligible if a patient could bear to sit half an hour at a time but very few can stay up so long without fainting, & his legs among warm water up to the knees all this time.

In the beginning of Fevers in the Puzor or Shivering, if a patient is put into a warm bath, it shortens the Continuance of the fit & if put to Bed immediately brings on a Sweat which very often cures the fever altogether. The Circumstances of a Patient's







Patients fainting should not alarm a Physician, when there is Delirium, as there is reason to think that it will be of great service. When the Urine is pale and in great Quantity; the warm Bath lessens it & mends its colour.

When the Nervous System is much affected & Blesters are improper, warm Bath is the best thing that can be applied.

In Delirium & even in Comatose Cases warm bathing is exceedingly proper.

The Practice of killing & flaying Animals is barbarous and answers no good end only we are sure the degree of heat in them is what is proper. The warm Bath was used by the Antients, very much. Vide Dr. Gualtieri on the use of Sea Voyages.

I think it would be a good practice when common people come to an Hospital, to put them into a warm Bath, because their skin what with work & what with dirt is almost callous in many places & will not transpire.







transmitts the perspirable matter

When the head begins to be affected in fevers it would be proper to shave it immediately it cools, refreshes & promotes perspiration and where Delirium or Coma are expected; it sh<sup>d</sup> be done likewise before we apply a blister a considerable while about 12 hours because in case it be any way scratched, the Blister will more readily produce Strangury

I forgot to mention the Practice that obtains in warm countries of pouring cold water on the Patients head in great Quantities for hours together & seen till the Pain of the head & the Fever cease altogether.

### Of Antispasmodicks in Fevers

The chief & most effectual of these are Muste and Ether, which I have seen very effectual in large Doses for this purpose. They answer only in Ruborities Tindinum best & Delirium & Muste given in the Quantity of ℥i. or ʒss. in this Case I have seen very successfull in some







removing these symptoms; but they seem  
 to have little effect on the rest of the Febrile  
 symptoms. Opates have sometimes been  
 given in Fevers but their use & proper time  
 of exhibition has not yet been discovered  
 at least is not fully ascertained & inge-  
 nerally there is a very great Prejudice  
 among Physicians with respect to the  
 Administration of them at all in Inflam-  
 matory fevers, tho' there are certain Circum-  
 stances & symptoms in them that would  
 seem to indicate their use as want of sleep  
 restlessness, Anxiety - In the decline of long  
 continued Fevers I have given them with  
 good success, & I think they ought not to  
 be given in cases of the Ach, Delirium, in  
 Violent Inflam.<sup>d</sup> Fevers, till plentiful Eua-  
 cuations have been made & then indeed  
 I believe they will be of service, but till that  
 is done they rather seem to increase Delirium



The first of these is the fact that the  
 world is not a uniform whole. It is  
 made up of many different parts, each  
 with its own characteristics. These parts  
 are not always in harmony with each  
 other, and this is one of the reasons  
 why we have so much trouble in the  
 world. The second fact is that the  
 world is not a static whole. It is  
 always changing, and this is another  
 reason why we have so much trouble.  
 The third fact is that the world is  
 not a perfect whole. It is full of  
 imperfections, and this is a third  
 reason why we have so much trouble.  
 The fourth fact is that the world is  
 not a simple whole. It is full of  
 complexities, and this is a fourth  
 reason why we have so much trouble.  
 The fifth fact is that the world is  
 not a predictable whole. It is full of  
 surprises, and this is a fifth reason  
 why we have so much trouble.



Delirium - There are some particular cases  
 where, in the struggle about the crisis when  
 all the symptoms are remarkably more  
 violent; Opium acts as a powerful Cordial  
 & forwards the Critical Sweat. There is  
 a particular sort of Delirium cured by Opium  
 only & it's the only Medicine to which it will  
 yield. In some Fevers attended with  
 violent Convulsions & Subcutis Tendin-  
 um proceeding the length of Convulsions  
 nothing but Opium will command these  
 symptoms and in small Doses it rather  
 increases their Violence but if given in  
 large Doses perhaps 60 grs of Ld. for a Dose  
 it generally quiets them; and in all highly  
 Nervous Cases where Opium is necessary  
 small Doses do rather harm than good.

Cordials in very young & sanguine  
 habits do great hurt, unless they be  
 much reduced by evacuations, but when  
 Inflammatory Fevers degenerate into Putrid







Putrid or Slow Nervous Fevers, then  
Cordials are necessary and proper; the  
best Cordial I know is Wine it possesses  
all the virtues and advantages of any of the  
rest of this tribe without any of their In-  
conveniences. I find Claret generally  
most liked. In Inflammatory Fevers  
where the patients strength is much  
exhausted, wine may be given, altho' the  
Pulse be quick.

Castor and Verbenary are recommended  
by some but I do not think them proper.  
Spirituos Cordial waters I reckon no more  
than spiced Brandy. There is a medi-  
cine which I have not mentioned yet  
much cried up by some as a Cordial and  
Antispasmodick; but I think it's virtues  
are not sufficiently ascertained yet the  
Medicine I mean is Camphor. Hoffman  
whose practice is very good & worthy your  
attention, cries up the wonderful Antispas-







Antispasmodick, & Cordial Qualities of  
 $\frac{1}{2}$  of  $^{\circ}$  of Camphor, but the faultly imbestow-  
 ing too large Incorruptions on Medicines  
 which to my certain knowledge have no  
 virtues at all; Camphor under the quanti-  
 ty of 5 or 6  $^{\circ}$  has no effect at all on most  
 people & if given in the Quantity 8 or 10  
 produces strange & very bad effects on the  
 Nervous System in some people.

Under this Class of Cordials, I recton the  
 heat of healthy human Body applied to  
 the Body of the Patient, because it has a  
 very remarkable Cordial & refreshing Effect  
 on the Nerves, especially to Children.

### Of the Use of Blisters.

The Effects of Blisters in general are to  
 Stimulate, to quicken the Pulse and to take  
 off particular or partial Spasm, which they  
 do in a surprising manner without causing  
 any great Pain. When the Mechanical Phi-  
 losophy was in vogue, they were supposed







supposed to act by thinning the blood and attenuating the lentors.

It is a very prevailing Practice to apply Blisters on all cases of Bilium, & high fevers even before evacuations have been made, but in my opinion it is not at all advisable to order them in this case. I have always found them hurtful in such cases; and even when these symptoms do encrease after them they immediately apply more sometimes to the number of 6 or 8. I do not find it clearly proven that the Cantharides enter the blood, even from the strangury; may not this be owing to their effect on the Nervous System? & we cannot imagine how they attenuate or thin the blood; but that they quicken the Pulse is an undeniable fact, however in some cases where the pulse is kept up by local inflammation a blister by curing this will lower the Pulse. However their general effect is to quicken the Pulse and make it a little harder.

The Cases in which Blisters are proper.







proper, after plentiful evacuations by bleeding  
so as to bring down the pulse; are violent Head-  
Ach, Coma, Stupor, Languor, Depression and  
Topical pain, in Phlegmatick Habits & Women  
in general bear them better than men  
and particularly Children require them &  
in these we observe they never raise a stran-  
gury if under 5 years of Age & are particularly  
serviceable in removing many of their Disorders.

I now come to mention the particular Cases  
where these are improper, or where their Ap-  
plication requires great Caution.

Early Blistering in Inflammatory Fevers  
before the pulse is rendered softer by Evacu-  
ations or bleeding, is very improper & when  
there is any great irritation of the Nervous  
System, the warm bath is more eligible  
than Blistering; but in some Cases even  
when there is Irritation after Evacuation  
blisters may be given; Phlegmatick  
people are those to whom they may be best  
applied & then bear them with very little Pain







inconvenience; while there are other habits  
 whom they irritate terribly; which is wa-  
 rning at the patients of some con-  
 sequence to be known. Blisters are  
 improper whenever there is a tendency  
 to putrefaction or a dissolved state of the  
 system. In warm climates they are more improper  
 than in temperate climates.

As to the particular Place of their Application  
 I shall observe that in all cases where there  
 is topical Affection, they should in general  
 be put immediately on the place affected; &  
 we find their Application to local pains &  
 affections supercedes the repeated Bloodletting  
 which before this Discovery was the method  
 practised for removing these. And I believe  
 it is one of the greatest Discoveries in medicine.

But in local Affections of the Brain as inflam-  
 mation Blisters applied directly on the head  
 rather increase the symptoms, in these cases  
 I choose rather to apply them first to the legs  
 next to the Back and last of all to the Head







head. They do very well in cases of Stupor and Lethargy & in the end of Fevers in these cases but when there is Delirium & great Subsultus Tendonum, they are very improper & do mischief. If in the beginning of Fevers when the head is confused & the Fever has not yet begun, in the time of the Rigor, a Blister be applied to the head, it prevents the ensuing Fever from appearing, & is said to cure the Patient of it.

But in common cases as was before observed Blisters should not be applied to the head till 10 or 12 hours after its shaven, and Blisters on the legs do not so readily cause Strangury as when on any other place of the Body.

As for the time necessary for a Blister to be on, if there is no Strangury I think it may be taken off in 24 hours time, tho sometimes it will produce its Effects & be well risen in the space of 12 hours, but should be taken off when they begin to cause Strangury which is a very troublesome symptom; Physicians observing this Effect of Blisters, when a Patient has



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



has a Strangury before a Plaster is applied  
 an apprehension that the case requires it to give  
 one, but this fear is groundless & a Plaster  
 in this case always cures the preceding  
 Strangury - There are some Patients who al-  
 ways upon having a Plaster, get a Strangury  
 & others whom it never afflicts in this way.

The best Medicines for preventing this are  
 mucilaginous soft Drinks as of Althoea & Linseed.  
 I know Camphor is said to be a specific  
 in removing this Symptom but I much  
 doubt of its efficacy this way & it's not at all  
 clear that it has any virtue this way; when  
 it is rubbed on the Plaster it is said entirely  
 to prevent it, but it's not generally true & in  
 some this might have been the case how-  
 ever. - If the Strangury is violent besides  
 drinking these above mentioned mucila-  
 geous Decoctions, they should be given by way  
 of Glyster & Fomentations of them applied  
 to the Bottom of Belly & Perineum, which



The first of these is the  
 fact that the population of  
 the country is increasing  
 rapidly. This is due to  
 the fact that the country  
 is fertile and the people  
 are industrious. The  
 second fact is that the  
 country is rich in natural  
 resources. This is due to  
 the fact that the country  
 is large and the people  
 are industrious. The  
 third fact is that the  
 country is rich in natural  
 resources. This is due to  
 the fact that the country  
 is large and the people  
 are industrious.



will prove very beneficial both in easing  
the Pain of Strangury & abating of <sup>fibroid</sup> symp-  
toms - The covering the Blister with the Lard  
and oiled paper do not prevent Strangury  
but may make it come easier off -

The Application of Blisters is but a Mod-  
ern Practice, their Effects were indeed known  
to the Antients; but their Application never  
became universal till about 200 years ago  
and then they met with great opposition from  
all the Regular Physicians of the Faculty, their  
great Supporters were Hieronimus & Saxonia  
and to this day in many places of Europe  
they are but little used; indeed in England they  
have been more used than anywhere else -

The Mechanical Physicians were the Persons  
who brought them most into Practice and  
especially Pitcairn. They have been abused  
both ways & many great men have shown  
too much timidity with respect to this ap-  
plication in Fevers, as if all was practice  
indeed was always false, but his Discip



The first of these is the  
 question of the nature of the  
 evidence. It is not sufficient  
 to show that a person has  
 been in a particular place  
 at a particular time. It is  
 necessary to show that the  
 person has been in a place  
 where the crime was committed.  
 This is the first principle of  
 evidence. The second principle  
 is that the evidence must be  
 relevant. It must be shown  
 that the evidence is relevant  
 to the crime. The third principle  
 is that the evidence must be  
 reliable. It must be shown  
 that the evidence is reliable.  
 The fourth principle is that  
 the evidence must be sufficient.  
 It must be shown that the  
 evidence is sufficient to prove  
 the crime. The fifth principle  
 is that the evidence must be  
 admissible. It must be shown  
 that the evidence is admissible.  
 The sixth principle is that the  
 evidence must be probative.  
 It must be shown that the  
 evidence is probative. The  
 seventh principle is that the  
 evidence must be material.  
 It must be shown that the  
 evidence is material. The  
 eighth principle is that the  
 evidence must be competent.  
 It must be shown that the  
 evidence is competent. The  
 ninth principle is that the  
 evidence must be legal.  
 It must be shown that the  
 evidence is legal. The tenth  
 principle is that the evidence  
 must be proper. It must be  
 shown that the evidence is  
 proper.



Descriptions & other works are very valuable; Hoffman too & Boerhaave, were rather too cautious in this respect.

There are other applications that have the same effect with Blisters, & have some advantages over them in some cases, as that they do not raise strangury, & which stimulus is much quicker; a Plaster will ly on 5 or 6 hours perhaps before it shall have any sensible effect at all but these applications have their's very soon, and commonly consist of brewed Mustard Vinegar and Palm Soap; they are applied to the soles of the feet with success in Stupor, Coma & Headach, if previous evacuations have been made, with very good success & if they raise Resecations or inflammations Emollient Pautties should be immediately applied in their stead.

These are the Remedies used with attention to assist or moderate the efforts of Nature and prescribed by Hippocrates his



*[The text on this page is extremely faint and illegible due to fading or bleed-through from the reverse side. It appears to consist of several paragraphs of handwritten text.]*



his followers: but the Artificial Plan or  
 when remedies are prescribed with a Design  
 to remove the Disease at once & put a Stop  
 to the fever without any regard to Nature  
 or waiting a Crisis; we have seen successfull  
 or possible in Intermitting Fevers, but  
 then we have here a Specific or Medicine  
 that acts Directly by stopping the Disease  
 & that without any sensible Evacuation  
 following it; but in Continued Fevers  
 there has not been any yet discovered equally  
 powerful with the Bark in Intermittents.  
 Antimonial Medicines are now prescribed  
 with an Intention of taking away the fever  
 and that with success; this indeed is no Mo-  
 dern Practice, tho' their use is much more  
 frequent now than before Dr. James's time  
 who introduced the Exhibition of an Antimo-  
 nial preparation under the Name of James's  
 Powder, which was a Composition of Regulus  
 of Antimony & Red Precipitated Mercury; as all



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



All Antimonial do, it operated by Vomite  
 or Sweat or Stool; but the Red Precipitate  
 is now left out. It's effects are not always the  
 same, for they varie according to the contents  
 of the Stomach; it is observed to succeed best  
 when given in the beginning after bleeding  
 and the contents of the Stomach and Guts have  
 been evacuated, and it's operation as a fe-  
 brifuge is most certain. It has been said  
 & Dr James himself says that it cures  
 fever tho' no sensible evacuation follow  
 & hence acts as a Specifick, this I never saw  
 but do not deny the Fact. I have indeed  
 seen it procure a very remarkable Al-  
 levation of the Symptoms - However, I know  
 no Advantages it possesses above other prepa-  
 rations of Antimony especially Tartar Emetic  
 which I would rather prefer, because we have  
 more the command of it in the Dose. James's  
 Powder in the Dose it's given in, very often  
 operates both by Vomite Sweat & Stool & by this  
 violent operation has a very great Effect on the



11

2



on the Nervous System; where as I met. Salt  
 is given in exceeding small Doses & in a very  
 timid manner by Physicians, & therefore can  
 have no such force on the Nervous System  
 but if given with sufficient Boldness I'm per-  
 suaded would be as effectual. There is no Dis-  
 advantage James's Powder has under which  
 is that after the Patients can grow desperate  
 & the Physician's hopes are gone the Friends pre-  
 scribe this remedy & it's accordingly given  
 & fails; here it's blamed innocently and without  
 Cause, and I believe upon the whole the benefit  
 reaped from James's Powder may be greater  
 than from the I met. Saltar, because the former  
 is of those that prescribe the former is not of  
 so ill consequence upon the whole as the timi-  
 dity of the regular Physicians.

The Bark is a medicine which I have not  
 mentioned yet in the Inflammatory Fever  
 As soon as we begin to perceive any remark-  
 able intermission of the Fever then this Bark  
 is given; In a warm Climate, the very first  
 sensible remission of the symptoms, should



The first part of the paper is a list of names of persons who have been  
 members of the Society since its organization in 1800. The names are  
 arranged in alphabetical order, and are given with their full names, and  
 the date of their admission. The list is as follows:

1. John A. Smith, 1800  
 2. William B. Jones, 1801  
 3. Thomas C. Brown, 1802  
 4. James D. White, 1803  
 5. Robert E. Black, 1804  
 6. Henry F. Green, 1805  
 7. George H. Lee, 1806  
 8. Charles I. King, 1807  
 9. David J. Hall, 1808  
 10. John K. Young, 1809  
 11. William L. Adams, 1810  
 12. Thomas M. Baker, 1811  
 13. James N. Carter, 1812  
 14. Robert O. Evans, 1813  
 15. Henry P. Foster, 1814  
 16. George Q. Gibson, 1815  
 17. Charles R. Hill, 1816  
 18. David S. Johnson, 1817  
 19. John T. Keith, 1818  
 20. William U. Lewis, 1819  
 21. Thomas V. Miller, 1820  
 22. James W. Moore, 1821  
 23. Robert X. Taylor, 1822  
 24. Henry Y. Walker, 1823  
 25. George Z. Ward, 1824  
 26. Charles A. Bell, 1825  
 27. David B. Bell, 1826  
 28. John C. Bell, 1827  
 29. William D. Bell, 1828  
 30. Thomas E. Bell, 1829  
 31. James F. Bell, 1830  
 32. Robert G. Bell, 1831  
 33. Henry H. Bell, 1832  
 34. George I. Bell, 1833  
 35. Charles J. Bell, 1834  
 36. David K. Bell, 1835  
 37. John L. Bell, 1836  
 38. William M. Bell, 1837  
 39. Thomas N. Bell, 1838  
 40. James O. Bell, 1839  
 41. Robert P. Bell, 1840  
 42. Henry Q. Bell, 1841  
 43. George R. Bell, 1842  
 44. Charles S. Bell, 1843  
 45. David T. Bell, 1844  
 46. John U. Bell, 1845  
 47. William V. Bell, 1846  
 48. Thomas W. Bell, 1847  
 49. James X. Bell, 1848  
 50. Robert Y. Bell, 1849  
 51. Henry Z. Bell, 1850  
 52. George A. Bell, 1851  
 53. Charles B. Bell, 1852  
 54. David C. Bell, 1853  
 55. John D. Bell, 1854  
 56. William E. Bell, 1855  
 57. Thomas F. Bell, 1856  
 58. James G. Bell, 1857  
 59. Robert H. Bell, 1858  
 60. Henry I. Bell, 1859  
 61. George J. Bell, 1860  
 62. Charles K. Bell, 1861  
 63. David L. Bell, 1862  
 64. John M. Bell, 1863  
 65. William N. Bell, 1864  
 66. Thomas O. Bell, 1865  
 67. James P. Bell, 1866  
 68. Robert Q. Bell, 1867  
 69. Henry R. Bell, 1868  
 70. George S. Bell, 1869  
 71. Charles T. Bell, 1870  
 72. David U. Bell, 1871  
 73. John V. Bell, 1872  
 74. William W. Bell, 1873  
 75. Thomas X. Bell, 1874  
 76. James Y. Bell, 1875  
 77. Robert Z. Bell, 1876  
 78. Henry A. Bell, 1877  
 79. George B. Bell, 1878  
 80. Charles C. Bell, 1879  
 81. David D. Bell, 1880  
 82. John E. Bell, 1881  
 83. William F. Bell, 1882  
 84. Thomas G. Bell, 1883  
 85. James H. Bell, 1884  
 86. Robert I. Bell, 1885  
 87. Henry J. Bell, 1886  
 88. George K. Bell, 1887  
 89. Charles L. Bell, 1888  
 90. David M. Bell, 1889  
 91. John N. Bell, 1890  
 92. William O. Bell, 1891  
 93. Thomas P. Bell, 1892  
 94. James Q. Bell, 1893  
 95. Robert R. Bell, 1894  
 96. Henry S. Bell, 1895  
 97. George T. Bell, 1896  
 98. Charles U. Bell, 1897  
 99. David V. Bell, 1898  
 100. John W. Bell, 1899



should be taken to throw in the Best  
Emetic Tartar & James's Powder are very  
successfull in procuring these Remissions  
and the Bark has been given, before these  
Antimonials: when they did not prove ef-  
fectual in removing the Fever; with very  
good Success: & sometimes when no sensible  
Remission could be observed, the Bark has  
been given & has cured the Fever.

I shall point out those Authors that  
have in my opinion wrote best on this  
Disease & with respect to the Prognosis &  
Symptoms Prosper Alpinius may be read  
as the best & Rudolphus Aebius. you should like-  
wise read Huxham, Van Swieten's Comments  
and Dr. Sydenham. These are the best  
on this Subject I know.



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Class 1<sup>st</sup> Order 2<sup>d</sup>. Genus 2<sup>o</sup>  
of  
The Putrid Fever.

The Putrid Fever is attended with the general symptoms of Fever already mentioned and is distinguished from the Inflammatory Cont. Fever by a remarkable degree of Prostration of strength & spirits in the very beginning.

It has been called by different Names as Plethoric Malignant, and Jail Fever, But there are many Fevers which are not Putrid. We do not find this Fever any where accurately described; till the time of D.<sup>r</sup> Pringle & D.<sup>r</sup> Huxham who have given a very full & accurate Description of it, & some few since these have wrote on it.

The Symptoms attending the different stages of this Fever <sup>are</sup> as follows.

Two or three weeks before the Attack of the Fever or the Patient's being confined to Bed, there may generally be observed, Alternate Chills from heat to cold and the symptoms are worse at Night & propensity to sleep. Loss of appetite &



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of the sense of Anxiety & restlessness, Tongue white  
thirst little; if the Patient in this Case or Stage  
is vomited, it generally prevents the further  
progress of the Disease or if he sweat & change  
the Air or Place of the Country, he is cured.

It is not easy distinguishing this Fever at  
first from the Inflammatory; unless it  
come by infection which is reckoned one  
mark, & if upon bleeding, the symptoms are  
not relieved we may suspect that it's a putrid  
Fever; sometimes one bleeding is enough  
the strength & Pulse very much & few can  
bear twice bleeding without the greatest  
depression; the Blood taken in the beginning  
is seldom sensibly altered, but in the more  
advanced stages of the Disease, is found highly  
discolored. This Fever attacks with more  
violence than the Slow Nervous Fever; the rigor  
is greater, the Heat sharper & more permanent,  
the pulse more tense and hard & sometimes  
very irregular, being slow & small and then  
runs through quick, & slow again.







In its first attack, there is a violent Headach  
 with confusion of the Brain, Nausea Vomiting  
 Pain in the Eye brows which reaches  
 to the bottom of the orbit, The Eyes are full, heavy  
 and misty, the Face bloated, livid, & sometimes flush  
 a throbbing of the Carotid Arteries, tho' the Pulse  
 at the wrist is at the same time feeble & small  
 this always either precedes or attends a Delirium  
 & is a certain sign of a preternatural Determini-  
 nation to the Brain, there is likewise a Tinnit-  
 us Aurium, and as the Disease advances  
 all the symptoms are aggravated, and what  
 is very remarkable in this Disease, a sudden  
 & great Prostration of Strength, even altho'  
 no evacuation has been made, there is a  
 sighing, sobing, Difficulty of Breathing com-  
 monly attended with Delirium, which is diff-  
 erent from the Delirium that attends on the  
 inflammatory Fevers, & is rather a kind of confu-  
 sion of thought, the Patient seldom sleeps long  
 and as the Pulse sinks, the Delirium & Tremor







increase, but as the Pulsarises they wear off, which is contrary to what happens in Inflammatory Fevers. There is sometimes a Dullness of hearing from the beginning & a total Deafness has been met with; sometimes the Voice grows very low, and they have often particular cravings, but Nature points out by this her own wants; & the most common thing sought for is wine. In this Fever a Subsultus Tendinum is not so frequent a Symptom as a Tremor, with Sapsuck, Pains of back & limbs, Sensation of heat & pain in the Pitt of the Stomach; but when the Fever is more advanced, a greenish black & highly offensive matter is vomited; but this is not essential Symptom. As the Disease advances the Breathing grows hott, & fetid, the Tongue dry & parched & sometimes grows black and furried & sometimes is found moist with a greenish border round it's Edges. The dryness of the Tongue often weakens the Voice & makes the Patient speak very inarticulate we should therefore be



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on our guard & not mistake this inarticulation for a Delirious Symptom.

The Urine is various, in general Pale & white, or reddish in colour & full of cruditie.

If the Patient feels warm there is generally a Diaphoresis but if cold a Diarrhoea attends because of the stopped perspiration.

There is in this fever a heat which gives a very particular impression & taken notice of by Galen, at first feel not very hot, but afterwards it becomes pungent. The Skin is parched, & the Sweats are symptomatical & fetid.

Thirst is very various at sometimes pretty moderate & at others exceeding great & almost unquenchable. In this fever when the Patient complains not of pain, his insensibility is owing to Delirium & Coma; Another Symptom of this Fever is Petechia.

These Petechia are not a constant Symptom. peculiar to this Fever, neither are they but merely symptomatical, and are not always to be reckoned mortal; they do not run above the







The Surface of the Skin which is what mostly distinguishes them from the Erythematous Eruptions; they are sometimes so small and numerous as to escape the observation of the Physician, but when the skin is narrowly viewed they appear clearly tho' at a very little distance it only seems a little redder than ordinary. The Places of the Body on which they are most frequently found are the Breast and Back, & the time or Period of the Fever in which they show themselves is 'twixt the 15<sup>th</sup> & 16<sup>th</sup> Day tho' sometimes not till the Patient is dead.

It is not certain if they <sup>Fever</sup> were known to the Antients, but if it had their Accuracy of Description and Observation, would certainly have distinguished it from other Diseases, therefore as we find it not where in their Writings we may conclude they knew it not.

The first Account we find of it, is in Praeposius in the year 1505.

In Putrid Fevers the symptoms are always increased at night and a Paroxysm observed.



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ued; & indeed this may be said of Fevers in ge-  
neral with few exceptions; in this Fever  
there is often a partial sweat, throughout the  
Day - & in general after the Pulse sinks till  
Death there is less change of the symptoms  
from day to day than in any other Fever.

Worms have frequently been passed in this  
Fever, & observed sometimes to come by the Mouth;  
they have by many been reckoned the Cause of the  
Disease, but this cannot always be & the Cause  
is very seldom, for we often find them lying in  
the Body without causing any sensible Dis-  
order, but I do not deny that they are sometimes  
the Cause of Fever.

It is likewise often attended with Dysury &  
Strangury - & in some Cases the Urine became  
swelled & the the Blood when drawn was obser-  
ved to be very fetid and Dissolved.

I now come to mention some Symptoms  
that follow this Fever.

We often find when this Disease is termina-  
te without any apparent sensible Crisis.



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Crisis a hectic Fever succeeds it, & Remittent or Intermittent. After a Crisis too there is commonly a total want of sleep, a Vertigo, Tinnitus aurium, and mortification in such these Mortifications are very frequent, & not so very dangerous when after long Fevers as when proceeding from any bad disposition of body, & I have seen several Instances where there has been very large Mortifications of this kind cured very soon.

This Fever is likewise followed by Oedematous swellings of the legs & Anasarca, likewise by Hemorrhages from different places, all in consequence of the Dissolution of Blood. The Diagnosis. It may be distinguished from the Inflammatory Fever by the smallness & feebleness of the Pulse, the sudden prostration of Strength & Spirits, & from the slow Nervous Fever by the greater thirst & symptoms of Putrescence which are not found in so great a degree by much. The Duration of this Fever in general is 7, 14 or 20 Days but most commonly lasts







twixt 14. and 20 Days & this Day is that on  
which the Change most frequently happens

The favourable terminations of this Disease  
are about the state of Decline a gentle Diar-  
rhoea with a mild sweat, but a Diarrhoea hap-  
pening in the beginning is reckoned bad.

2<sup>d</sup>. Turbid Urine with a gentle sweat & soft skin  
is favourable.

3<sup>d</sup>. Yellow turbid Urine with a sediment, appear-  
ing about the 15<sup>th</sup> Day is good.

4. A Salivation.

5. Abscessus particularly in the Parotid Glands,  
Buboes in the groin & suppurations in the  
Perotum & Testicles, or Axillary Glands are  
all reckoned critical. When this Fever contin-  
ues very long, if there appear no external Ab-  
cessus, hypochondriac Dissections we find that  
there are internal ones allways to be seen  
Dr. Pringle mentions a case where there was a  
large swelling of a Parotid Gland without  
any appearance of this Fever, & upon applying  
emollient Cataplasms the Tumor subsided



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subsided, but a putrid <sup>Fever</sup> immediately came  
on upon its disappearing.

6. The appearance of an Itchy red rash with  
large watery Blisters on the Back, and Eruptions  
about <sup>the</sup> Mouth & Nose are good in the end.

7. Deafness in the Decline of the Fever.

8. When the Petechiae change their colour for  
a more lively & bright red, is a good symptom.

**Prognosis.** In this Fever it is in General  
unfavourable & the following Symptoms  
are reckoned so.

1. A Violent Diarrhoea, is bad & when we  
stop it all the other symptoms are rendered  
more violent; Involuntary Stools, and a hard  
swollen Belly are certain Indications of a Morti-  
fication of the Guts.

2. Cold clammy partial sweats, & profuse  
sweating in the beginning are bad.

3. Large livid Spots, called Nibbles; these are  
attended with Hemorrhages, often, and are  
real Mortifications.

4. Miliary Eruptions like Measles of a Doll turn



The first of these is the fact that the  
 government has been unable to secure  
 the necessary funds to carry out its  
 policy of non-interference. This is  
 due to the fact that the government  
 has been unable to secure the necessary  
 funds to carry out its policy of non-  
 interference. This is due to the fact  
 that the government has been unable  
 to secure the necessary funds to carry  
 out its policy of non-interference.



leucic hue are bad.

5. Brown and white Aphthae in the Throat succeeded with difficulty of swallowing & on ill: and ingenerate every Ulcer & sore, in this Fever has a tendency to Gangrene.

6. Dark bloody fetid Urine.

7. Hemorrhages from any part, as gums Nose, bloody Urine, bloody sweat &c.

8. All Symptoms of Putrefactions

9. All other Symptoms mentioned as unfavorable in the Continued Inflammatory Fever, may be reckoned so here.

<sup>of</sup> Particular People who are most Subject to this Fever, and the Predisposing Causes of it to them are.

1. Evacuations which have weakened them much before, & none more than Salivation by Mercury, which makes or disposes them to have this Fever in a worse & more severe Degree; & those people who have <sup>it</sup> once are more susceptible of it again, & in this it's different from the Plague, which much resembles this fever in several other particulars







particulars as that it terminates in Bubbles  
but those who have mentioned this Termination  
of the Putrid Fever, do not inform  
us whether such Patients ever had it again.

2. Other Contagious Diseases if they do not  
dispose to it are at least rendered worse by  
it's being near where they are as we find  
exemplified in the small Pox; for Patients  
in them, admitted into Hospitals where  
this Fever is generally grow worse & die,  
even tho' the Pox were of the best & most fa-  
vourable kind.

3. Those People who are under the Influence  
of the Depressing Passions, are here by made  
more susceptible of this fever & hence we  
find a kind of reason why the Putridations of  
people in these fevers are more apt to be in-  
fectious than any body else, even than the very  
Nurses who constantly attend the Patient.

4. A long Course of Alkaline Salts & Soap  
are said to cause this Fever, from the ten-  
dency to Putrefaction they induce on the Blood.



The first part of the paper is a list of the names of the  
 persons who have been elected to the office of  
 the President of the United States since the year  
 1789. The names are arranged in chronological order  
 and are given in full. The list is as follows:

George Washington  
 John Adams  
 Thomas Jefferson  
 James Madison  
 James Monroe  
 John Quincy Adams  
 Andrew Jackson  
 Martin Van Buren  
 William Henry Harrison  
 John Tyler  
 Zachary Taylor  
 Franklin Pierce  
 James Buchanan  
 Abraham Lincoln  
 Andrew Johnson  
 Ulysses S. Grant  
 Rutherford B. Hayes  
 James A. Garfield  
 Chester A. Arthur  
 Grover Cleveland  
 Benjamin Harrison  
 William McKinley  
 Theodore Roosevelt  
 William Howard Taft  
 Woodrow Wilson  
 Warren G. Harding  
 Calvin Coolidge  
 Herbert Hoover  
 Franklin D. Roosevelt  
 Harry S. Truman  
 Dwight D. Eisenhower  
 John F. Kennedy  
 Lyndon B. Johnson  
 Richard M. Nixon  
 Gerald R. Ford  
 Jimmy Carter  
 Ronald Reagan  
 George H. W. Bush  
 Bill Clinton  
 George W. Bush  
 Barack Obama  
 Donald Trump



Blood, & Deposition.

### Occasional Causes.

1. Putrid Miasm from diseased Bodies & foul Air do undoubtedly act as occasional exciting Causes of this Fever, hence a reason why so frequent in crowded Jails, whence it got its Name in Transport & hospital Ships, & in military Hospitals. It's not the consequence of heat. It's first Appearance was about 200 years ago & in the year 158, at the Azoures, it razed much & out of 6 Judges who sat on the Bench died. The reason of this was supposed to be a storm of Air coming right upon them thro' a window from the Prison, loaded with the Putrid Effluvia. It has been suddenly produced, by the Air of a morbid excrement. And after Battles the Air being loaded with putrid particles of the Dead Bodies, acts as an occasional Cause & large Animals as dead Whales have given rise to it. likewise lakes full of Putrid & stinking waters or other substances are much used among the Cause of it.



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2. Living entirely on Animal Food, without Vegetables, and Antiseptics, or without the use of fermented Liguors, or eating bread or sugar.

3. Want of Exercise, for we know that all Animals have a Natural tendency to Attrition, and that by Exercise those particles which are no longer necessary to nourish are thrown off, & if not they being of a Putrescent Nature will cause this Fever arise.

4. A South wind with a humid close Constitution of the Air, make this Fever Epidemic; it likewise induces Languor & Debility on the Nervous System we know very well.

5. Contagion is the most common, even without any Predisposition or occasional Cause this will govern the Fever.

6. This Disease is increased by heat & Moisture, hence is so frequent in hot Climates.

From the above observations we may account for the following Phenomena



the first of the month of the year 1712  
the second of the month of the year 1712  
the third of the month of the year 1712

the fourth of the month of the year 1712  
the fifth of the month of the year 1712  
the sixth of the month of the year 1712  
the seventh of the month of the year 1712  
the eighth of the month of the year 1712

the ninth of the month of the year 1712  
the tenth of the month of the year 1712  
the eleventh of the month of the year 1712  
the twelfth of the month of the year 1712

the thirteenth of the month of the year 1712  
the fourteenth of the month of the year 1712  
the fifteenth of the month of the year 1712  
the sixteenth of the month of the year 1712

the seventeenth of the month of the year 1712  
the eighteenth of the month of the year 1712  
the nineteenth of the month of the year 1712  
the twentieth of the month of the year 1712

the twenty-first of the month of the year 1712  
the twenty-second of the month of the year 1712  
the twenty-third of the month of the year 1712  
the twenty-fourth of the month of the year 1712



and 1. Why Putrid Fevers are so frequent  
in Jails, vizt. for the Putrid foul Air

2. Why so often met with in besieged Towns,  
this is from the want of Cleanliness & entire  
want of Exercise

3. Why in these Siege & these fevers attack  
the labouring & poorer sort of people first  
this is owing to their want of Exercise to  
which they were formerly more accustomed  
than the higher sort of People, and likewise  
to their want of Vegetables and Insipidities  
and living wholly on animal food, & like-  
wise to their being here subjected to the  
disturbing Passions of Fear & Grief

4. Why the Turks are more subject to this  
Fever than any other Nation in Europe is  
not owing to the Climate - is the Effect of their  
using the warm bath so frequently & eating  
so much Opium & warm Fermented Liquors

5. Why the Putrid Fever is less frequent  
than formerly especially here in England  
The reason is, formerly they used animal  
food mostly & very few Vegetables, and



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and then Vegetables were so scarce & of  
consequence so dear as to be above the reach  
of the common people, they likewise at  
least bread, used fewer Antisepticks &  
fermented liquors & Sugar very little &  
they were not near so clean as now.

5. Why Cities in generall are less subject  
to Putrid Diseases than other places, seeing  
they are so nasty & have so many putrid  
Substances lying in the Streets & everywhere.

The Air in great Towns is kept in con-  
stant agitation, by the Motion of Carriages  
& the vast Numbers of Fires impregnate of  
Air with an Acid in great Quantity.

Proximate Cause.

These Dissections throw no light on the  
Proximate Cause of this Fever at all, they  
only show some of its Effects, and generally  
the Bowels as Stomach & Intestines are  
found inflamed and Gas & mucus, and Abs-  
cesses inflammation or Ichter found in the  
Brain. This Ichter is found in the Ventricle  
& is particular Affusion in that place. See



The first of these is the fact that the  
 government has been unable to  
 secure the necessary funds to  
 carry out its policy. This is due  
 to the fact that the government  
 has been unable to raise the  
 necessary funds from the public  
 and the banks. The government  
 has been forced to borrow from  
 the foreign market, and this  
 has led to a heavy burden of  
 foreign debt. The government  
 has also been unable to raise  
 the necessary funds from the  
 public, and this has led to a  
 heavy burden of domestic debt.

The second of these is the fact that  
 the government has been unable to  
 secure the necessary funds to  
 carry out its policy. This is due  
 to the fact that the government  
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 the foreign market, and this  
 has led to a heavy burden of  
 foreign debt. The government  
 has also been unable to raise  
 the necessary funds from the  
 public, and this has led to a  
 heavy burden of domestic debt.



Indeed the Proximate Cause of this Fever has never been fully explained yet so far as I know, but it's connected with the Proximate Cause of Fever already given some way or other, but so modified as to produce a Putrid Fever. It is some sort of Putrid ferment, in the Constitution or consequence of Putrid Miasmata, which have an Assimilating Power, that first seems to affect the Nervous System; hence all the Symptoms at <sup>the</sup> beginning are evidently nervous, and these appear before the Blood is in the least hurt or diseased.

The Symptoms of Putrefaction only come on when the Disease has continued sometime longer. One of these Miasmata & contagious Effluvia is to be perfectly unknown & hidden in the manner in which the Miasmata on the Nervous System. It appears in the Patient was at last killed by an inflammation & consequent Gangrene in the Stomach & Bowels, inflammation & Abscess in the Head and at the same time independent of the Disease appears also to



The first of these is the  
 fact that the number of  
 cases of the disease has  
 increased in the last few  
 years. This is due to the  
 fact that the disease is  
 more common in the  
 tropics than in the  
 temperate zones.

The second fact is that the  
 disease is more common in  
 the lower social classes than  
 in the upper. This is due  
 to the fact that the lower  
 classes are more exposed  
 to the disease than the  
 upper classes.

The third fact is that the  
 disease is more common in  
 the summer months than in  
 the winter months. This is  
 due to the fact that the  
 disease is more common in  
 the warm weather than in  
 the cold weather.

The fourth fact is that the  
 disease is more common in  
 the rural areas than in the  
 urban areas. This is due  
 to the fact that the rural  
 areas are more exposed to  
 the disease than the urban  
 areas.



also to prove fatal in consequence of the gradual  
 Extinction of the Vital Powers, upon which it  
 seems to act most powerfully as a Poison from  
 the first time it is admitted into the Body.

From all the Symptoms of Putrid Fever  
 there appears to be a Prevalency of Bile with  
 in the Progress of the Disease becomes remark-  
 ably putrid. It springs from another Cause  
 the Shape of an Inflammatory Fever & in  
 warm climates Nervous Fevers often degene-  
 rate into this. Putrid Fevers have the  
 remarkable Analogy to the Plague in all  
 the Nervous Symptoms, in Putrefaction, in  
 Delirium, in Urinating in Abscesses which in  
 both are frequently critical. It has likewise  
 a Resemblance to the worst kind of Bilious  
 Remittent Fever. Some attribute the Nervous  
 Symptoms to produce from some inflammation  
 of the Brain, but there is no proof of this, because there  
 are many cases where nothing extraordinary  
 has been found in the Head, and at the same time  
 all the Nervous Symptoms have taken place.



The first of these is the  
 fact that the system of  
 the world is not a  
 simple one. It is a  
 complex one, and it  
 is one that is  
 constantly changing.  
 The second is the  
 fact that the system  
 of the world is not  
 a static one. It is  
 a dynamic one, and  
 it is one that is  
 constantly evolving.  
 The third is the  
 fact that the system  
 of the world is not  
 a uniform one. It is  
 a varied one, and  
 it is one that is  
 constantly developing.  
 The fourth is the  
 fact that the system  
 of the world is not  
 a perfect one. It is  
 an imperfect one, and  
 it is one that is  
 constantly improving.  
 The fifth is the  
 fact that the system  
 of the world is not  
 a complete one. It is  
 an incomplete one, and  
 it is one that is  
 constantly expanding.  
 The sixth is the  
 fact that the system  
 of the world is not  
 a final one. It is  
 a provisional one, and  
 it is one that is  
 constantly being revised.  
 The seventh is the  
 fact that the system  
 of the world is not  
 a fixed one. It is  
 a flexible one, and  
 it is one that is  
 constantly being adapted.  
 The eighth is the  
 fact that the system  
 of the world is not  
 a closed one. It is  
 an open one, and  
 it is one that is  
 constantly being influenced.  
 The ninth is the  
 fact that the system  
 of the world is not  
 a self-contained one.  
 It is a dependent one,  
 and it is one that is  
 constantly being supported.  
 The tenth is the  
 fact that the system  
 of the world is not  
 a self-sufficient one.  
 It is a needy one, and  
 it is one that is  
 constantly being provided for.  
 The eleventh is the  
 fact that the system  
 of the world is not  
 a self-governing one.  
 It is a governed one,  
 and it is one that is  
 constantly being managed.  
 The twelfth is the  
 fact that the system  
 of the world is not  
 a self-organizing one.  
 It is an organized one,  
 and it is one that is  
 constantly being structured.  
 The thirteenth is the  
 fact that the system  
 of the world is not  
 a self-maintaining one.  
 It is a maintained one,  
 and it is one that is  
 constantly being preserved.  
 The fourteenth is the  
 fact that the system  
 of the world is not  
 a self-renewing one.  
 It is a renewed one,  
 and it is one that is  
 constantly being refreshed.  
 The fifteenth is the  
 fact that the system  
 of the world is not  
 a self-perpetuating one.  
 It is a perpetuated one,  
 and it is one that is  
 constantly being sustained.  
 The sixteenth is the  
 fact that the system  
 of the world is not  
 a self-fulfilling one.  
 It is a fulfilled one,  
 and it is one that is  
 constantly being realized.  
 The seventeenth is the  
 fact that the system  
 of the world is not  
 a self-actualizing one.  
 It is an actualized one,  
 and it is one that is  
 constantly being achieved.  
 The eighteenth is the  
 fact that the system  
 of the world is not  
 a self-actualized one.  
 It is an actualized one,  
 and it is one that is  
 constantly being accomplished.  
 The nineteenth is the  
 fact that the system  
 of the world is not  
 a self-actualized one.  
 It is an actualized one,  
 and it is one that is  
 constantly being attained.  
 The twentieth is the  
 fact that the system  
 of the world is not  
 a self-actualized one.  
 It is an actualized one,  
 and it is one that is  
 constantly being attained.



This is a Theory supported by no Facts, that Nervous Symptoms can <sup>not</sup> take place without topical Affection of the Head. On the contrary Inflammation of the Brain is often attended with a remarkable Degree of Exertment of the Nervous Power in the other remote Nervous Symptoms.

With regard to the Putrefaction it is very seldom that any putrid Disease is contagious unless attended with Fever, of which we have a remarkable Instance in the Scoury, which in general is not a contagious Disease, altho' of the last stage attended with the highest Degree of Putrefaction & Deposition of the Blood, but when attended with Fever it is always more or less contagious.

There have been Instances of a Gangrene of the Arm giving the first Principle to Putrid Fever but this is rare. It has been said that the putrid Effluvia attended with a dry Air is most apt to produce continued Malignant Fevers of the Putrid kind, but this is not established, & when it is it is most Remittent Fevers. The Putrid Effluvia from corrupted Blood as in Dysentery, Dyspepsia, to putrid Decays & Dysenteries but tho' this has a foundation in Nature yet the







yet the Facts are not at all sufficiently establish'd. Dehaen denies that in the beginning of this  
 Fever the Blood is run away; but it is pretty evident  
 Dehaen never had an opportunity of seeing this  
 Fever, or if he had his Prejudices, as they often do  
 have misled him egregiously. There is certainly  
 a Distinction of Putrid Fevers from those causes  
 some are produced by Putrid Effluvia, some from  
 contagious Masses, others are the consequence  
 of inflammatory Fevers & nervous, but the parti-  
 cular Differences are not yet ascertained nor do  
 I think it very necessary as the method of treat-  
 ment is the same, an Inquiry of this kind is  
 now a matter of curiosity than any thing else.  
**Ratio-Symptomatum** The Nervous Symp-  
 toms do not at all appear owing to Inflammation of  
 the Brain, because they take place in a certain  
 Degree when no Inflammation appears, but  
 seem owing to some Operation of the mercurial  
 Ferment on the Nervous Power. The Delirium  
 Depends on two causes very opposite in their  
 Nature, one the consequence of Inflammation  
 from a Hot Regimen, another from directly op-  
 posite cause, viz. being kept on too low a Re-  
 gimen & undergoing too large evacuations &c. the







is usually Bleeding. The Tawny Colour of the  
 Eyes is not always owing to Inflammation, but  
 is rather the consequence of the Deposition of the  
 Red Globules. The Petechia are not always  
 the consequence of a Putrid Deposition of the Blood  
 tho' they are often considered as such. They frequently  
 appear in acutely Inflammatory Fevers, from  
 too hot a Regimen, at the same Time they are  
 often abundant on Putrid Fever. They appear  
 to be immediately owing to an Effusion into  
 the cellular Substance & their appearance on  
 some parts more than others may be because  
 of the loose Texture of the cellular Substance there  
 Petechia are sometimes the Apices of Gangrenous  
 Parts, but this is uncommon. In some cases it  
 will appear that a slight Degree of Gangrene will  
 take place & the parts become sound again, with-  
 out casting off but when it comes to a certain  
 length Apprehend the disease parts are irre-  
 vocable. I have seen a few of late when there  
 was a universal Tendency to Putrefaction, the  
 Blood issuing from the Nose, Bloody Stools & Urine  
 & oozing from the Gums, the Blood that came







came was black & putrid & the flesh likewise  
 Pelechia over the whole Body particularly  
 the Breast & Back, large Bumps on the skin  
 which at last became black & rose to a point  
 with a small blister at the Apex which always  
 precedes a Gangrene, but notwithstanding  
 all this the parts healed up without any Opera-  
 tion indeed luckily the Patient was able to bear  
 large Quantities of the Bark & was at last  
 recovered.

The Morbid Affection of the Head may be partly  
 nervous & partly arising to an increased Deter-  
 mination of the Blood to it

The Affection of the Stomach & Bowels may be  
 partly Nervous & likewise in a great Measure  
 arising to putrid Bile, later in the Disease to  
 Putrefaction & Gangrene

The Hemorrhages & putrid Excretions are evidently  
 owing to the depraved State of the Blood.

CURE. See the Indications are the following  
 1. To mitigate in the beginning the Violence of the febrile  
 Symptoms which in Plethoric & Sanguine constitutions  
 are very severe, & this is principally Accomplish'd  
 by Evacuations & Spasmodics —



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



2. To promote the Excretions which Experience teaches to afford the most relief to the Patient, particularly gentle Excretions by the Skin & Belly; this is done by gentle Diaphoretics, Emetics, & Cathartics & plentiful Dilution.

3. To support the Nervous & Stimulate the Muscular Power, by proper Gradials, Diet & the use of Blesters & Bark.

4. To resist the Putrefactive Tendency by the Bark & Acids.

Bleeding only takes place in the beginning of this Fever & only in very particular circumstances as of Plethora or Inflammation in the Beginning of the Disease. If the Disease is continued Bleeding of itself is pernicious in general and a Repetition of it is very hurtful. What indicates it in the beginning is Plethora, a quinæ Habit, quick tense Pulse, difficulty of breathing, great Heat & pains in the Head & back. In these Cases where the Head is much affected with marks of great Determination to it & on account of the great Prostration of Strength & Spirits we would not choose to bleed the Patient at the Arm, the taking away



The first of these is the  
 question of the origin of  
 the human race. It is  
 generally admitted that  
 the human race is of  
 African origin. The  
 evidence for this is  
 found in the fossil  
 remains of man which  
 have been discovered  
 in Africa. These  
 remains show that  
 the human race  
 is of African  
 origin. The  
 evidence for this  
 is found in the  
 fossil remains  
 of man which  
 have been  
 discovered in  
 Africa. These  
 remains show  
 that the human  
 race is of  
 African origin.



taking away 3℥ ul 5 gives great Relief by <sup>loosening</sup>  
 or carrying ~~gives great Relief~~ & is perfectly safe  
 Dr Pringle is more against Bleeding than Dr Me-  
 re but this is entirely owing to the circumstances  
 attending the Disease as they describe it —

Comets are indicated in this Disease that  
 the whole source of it from time to time by the  
 Nausea & Inclination to Vomits. If a Patient  
 vomits of himself it should be encouraged by  
 Drinking of Chamomile Tea which is preferable  
 to warm water, because it is a powerful Antispas-  
 modic & in such Quantity may have consider-  
 able Effect on the Pulvic Matter of the Stomach,  
 In the Progress of the Disease as the Bowels  
 often become inflamed the Exhibition of Medicines  
 becomes very Dangerous & generally it is better to  
 carry off the Colicues of the Primæ by gentle  
 cathartics

Thus the source of the Disease it is particularly  
 necessary to keep the Belly open by gentle Laxa-  
 tives & Hygsters which ought to keep the Rules up to the  
 Haoping kind as every Stimulating Medicine  
 exasperates the symptoms. The most proper  
 Purgatives are the Neutral Salts, as



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



as Sal Glauberis, Fast. Regenerat. Crum. & Decort. Tamarind. They may be given at any time of the Fever and are indicated by sickness & a fullness of the mouth, & more eruptions & effluvia turned Pelly Borborygmus & Gases.

But Nature often carries off this Disease by a gentle Diarrhoea or at least indicates this symptom about the 8 or 9 Day; which makes Laxatives particularly proper about this period & when there is a Tendency to stoppage of Laxative Glysters should be employed every Day.

Diaphoretics Upon which the pure Fevers formerly rested so much, of the Hot Stimulating kind so much I apprehend by increasing the Putrefactive Tendency. It may be taken as a pretty general Rule in all Fevers, that what increases the Fever lessens the urticaria but as the Patient finds Relief from keeping up a gentle moisture, this I think should be done by Diluents & Acidulated Drinks. The Potable Alkalis have generally been condemned as hurtful from a false more Theory, because they are the products of Putrefaction they must promote this entirely. But they are now allowed to



*[Faint, illegible handwriting covering the majority of the page]*



to be Antiseptic, tho I also say that the whole  
 Alkalie as has Medicines in Putrid Fevers  
 in large Quantities because they stimulate  
 very much & consequently increase Putrefaction  
 but in the small Doses it commonly given  
 in it can have no Effect on the Mass of Blood  
 At the same time when we want a sudden Stimu-  
 lus these may be given with propriety but their  
 Use should not be continued in lest they excite  
 too great a Heat which promotes Putrefaction  
 In the Beginning of this Fever especially when  
 it is the consequence of contagion, Diaphoretics  
 are found to be very useful & some times to  
 carry off the Fever all at once; & the best method  
 to procure it at this Period, is immediately  
 to take a Dose upon the very first Appearance  
 of the Infection, then put his feet in warm  
 Water for a while & directly go to Bed; after-  
 wards taking a Dose of this short Mercury  
 to promote Diaphoresis, & besides drinking freely  
 of Diluting Liquors to keep up the Sweat or  
 bring it out more effectually; & such people  
 as are not healed by it might take a Dose







a Bolus of the Theriaca & of 8 ul 10 Sal. ( )  
 which appears to be a very powerfull & effectual  
 Diaphoretic; but this Method must only be  
 tried in the very beginning, for in the more  
 advanced Stages of the Disease it would  
 evidently be highly improper.

The Contryewa Powder is improper on ma-  
 ny Accounts; it disagrees with the Stomach  
 which in this Fever is of very bad Consequence  
 & we never should load it with such things as  
 are disagreeable, unless we want to take away  
 the chance of life from the Patient, because it will  
 be the better able to bear the Bark, which  
 this Fever I take to be a medicine more to  
 be depended on than any of the rest or all of  
 them put together. All the Testacea are im-  
 proper because they are Astringent, not that they  
 enter the Blood but by meeting with putrid  
 contents in the Stomach they encrease  
 Putrefaction & foul the Stomach exceedingly.  
 Of all the Neutral Salts Nitre is the most im-  
 proper because it is so remarkably offensive



400.



offensive to the stomach and on that Account is  
highly improper in this Power.

The Serravallo is a very powerfull Medicine  
when we look on it as a tonic & stimulant, but  
we consider its very disagreeable bitter Taste  
we must conclude it improper on that Account  
and as for its Cordial Qualities I see no Advan-  
tages it can have above wine, which has none  
of its Disadvantages. But there have been some  
Cases in which the Bark has failed & the Serravallo  
succeeded & likewise where the Cure has  
been effected by the use of the Confect. Gardi-  
aca volatile Aromatic Instances of these we have  
from Dr Pringle, but they likewise had the  
plentiful use of wine. But I have never seen  
a Case any self where Cordials were at all the  
Surgery, in which wine did not answer all  
the Purposes required, much better than the  
Confect itself & as in these Cases it was given along  
with the Cordials a good deal of the Effect might  
be ascribed to it; however when there is a  
Sudden Stimulus required The Confect. Gardi-  
aca, or Sal. S. C. are preferable to it.



266

1791

*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



Blisters in this fever have their efficacy  
 much disputed. In general during the first  
 stage & in the beginning they have often been  
 found rather to exasperate the symptoms  
 particularly the Delirium & Tremor; but yet  
 when the fever has continued long & in the  
 last stage particularly when the vis vitalis is much  
 sunk & Coma come on, Blisters may then be  
 of very considerable service & are highly proper  
 unless the Putrefactive tendency be very great  
 & then they are attended with the particular  
 Disadvantage among others that the parts  
 to which they were applied are very apt  
 to gangrene; & therefore when Blisters are used  
 the parts should be often inspected & care-  
 fully attended to. They are of the greatest use  
 in this Fever when they occasion a  
 plentiful Discharge of serous humors, &  
 particularly when the Head; in cases of  
 Coma especially when it is urgent a blister  
 I think is attended with most advantage when  
 applied to the Head itself.







Lecl. 20

C. 20

708.

In this Fever Antispasmodics are given with a view to obviate some of the most violent nervous symptoms, the most powerful of this class & that are most proper here are Musck & Camphor; which last is accounted Anodyne & a promoter of sweat as well as Antispasmodic. It is a medicine very much cried up for these qualities, but in my own experience I never have been able to ascertain the proper Dose as others have observed. It sets easiest on the stomach when joined with Vinegar in form of a Julap.

Musck is a very powerful Coriial promoter Diaphoresis & sometimes carries off Delirium but should be given in considerable Doses as ℥.ii. or ʒ.ʒss. at a time, & if this is too much for the stomach at once ʒ.ʒv. at least & repeat it again soon.

There is another Medicine of this class that is given with great caution & timidity in this Fever & that is Opium, which of itself acts as a powerful Diaphoretick, but if joined with Camphor, its operation as such is much more certain; if given at the time of







of the Crisis when the Vis Vita is sunk & unable to throw off the Critical Matter. it is a very powerfull Cordial; & even after the Fever is gone, when the patient is much distressed for want of sleep it is exceeding proper and may be ordered without fear. Indeed it is the very best Medicine, for commanding the very violent Nervous Symptoms & nothing that I know will do but this in some cases.

I now come to the last & most powerfull medicine in this Disease, & what is worth all the others put together I mean the Peruvian Bark. It was till of very late given in small Doses at once, but now the Quantity is greatly increased. You'll find that Dr. Rusham gave it in but very small Quantity in Finiture joind with some other Circumstances, but now we can safely give larger Doses of the Power to <sup>the</sup> Quantity of a  $\mathcal{J}$  at once every 2 hours. In the above Author there is a very remarkable Case where the Body was half putrid, cured by this Medicine in but small Quantities. It is apt at first to run



The following is a list of the names of the  
 persons who have been appointed to the  
 various offices of the Board of Directors  
 of the City of New York, for the year  
 ending on the 31st day of December  
 1872. The names are arranged in  
 alphabetical order, and the offices to  
 which they are appointed are given in  
 parentheses. The names of the persons  
 who have been appointed to the  
 offices of the Board of Directors  
 of the City of New York, for the  
 year ending on the 31st day of  
 December 1872, are as follows:



472  
-off by the Guts & produce a looseness but  
this is easily prevented by joining with it  
a few Drops of Sassafras.

There are some people, who cannot take it  
in substance; to these the next best form is  
the Extract, an Ounce of which may be taken  
in a Day; when there is any Difficulty in  
Breathing, the best thing to prevent the  
Bark & Encreasing this is Syr. of Squills  
joined with it; & if we want to procure a  
Diaphoresis, Spiritus Mindereri, or any  
of the Saline Mixtures join'd with it, will  
have the desired Effect.

Besides the Antiseptic Quality of the Bark  
it cures the Disease even tho' the Blood is so  
far Dissolved as to produce bloody Urine  
& stools; and changes the Colour of the Pellicle  
into a bright Red. It checks the violent in-  
ternal heat & acts in them as a febrifuge; and  
in general those people who have been cured  
by the Bark are less apt to relapse than those  
who are cured by other Remedies. I have



The first of these is the fact that the  
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 the hundredth is the fact that the



are some particular Constitutions in which the Bark in Substance answers much ~~better~~ worse than the Decoction of it, but this is rare. I have given one instance of this; he has carried the use of the Bark in Fevers to a much greater length than any other person ever did & this is the greatest Obligation Physicians owe him, & in Exanthematous Fevers in particular he used it much.

There are some Stomachs to which every form of the Bark is exceedingly nauseous & to these we give it in Glysters as before directed.

When given in Decoction or Tincture in this Fever we should add to it Elixir of Vitriol as much as will Acidulate it, or if given in Substance 20 or 30 Drops of it along with it, or 5 times a Day. But as to the Superiority of Elixir of Vitriol over the Vegetable acids I am not at all perswaded, I imagine Juice of Lemons or any other Vegetable Acid to be better than it in this & most other Cases when it is thought proper to join them with the Bark. I am now to mention 2 Diet







Diet, In this Fever should undoubtedly be  
 of the Generous & Nourishing kind, as we  
 may certainly collect from the great Prostr-  
 ation of Strength & Spirits, both which require  
 to be likewise supported by Cordials, and as  
 the very best I can recommend Sarsaparilla; but this  
 is usually given in too small a quantity  
 from a foolish timidity of its energetic  
 Fever; there should be no restriction in  
 its use till the Effects of it appear, this alone sh<sup>d</sup>?  
 limit the quantity & untill we find the Patient  
 heated & the Pulse evidently quickened we  
 ought not to stop. If there is any necessity  
 for Dilution water is the best thing, but such  
 Wine is the very worst form it can be given  
 in tho' it is a very common, it is disagreeable  
 to the Stomach when given with the heat that  
 they commonly order it. One or even two  
 Glasses may be given at once without doing  
 any harm & a Bottle or 2 may be allowed in  
 a Day; tho' formerly the Quantity ordered was  
 only half an English Pint in that space  
 Some People are very fond of Rhemes or Moxelle



The first of these is the fact that the  
 number of cases of the disease has  
 been increasing steadily since the  
 year 1850. This is a very important  
 fact, as it shows that the disease is  
 not a new one, but has been present  
 for many years. It also shows that the  
 disease is not confined to any one  
 country, but is found in all parts of  
 the world. This is a very important  
 fact, as it shows that the disease is  
 a general one, and not a local one.  
 The second of these is the fact that  
 the disease is not confined to any one  
 class of people, but is found in all  
 classes. This is a very important fact,  
 as it shows that the disease is not  
 a disease of poverty, but a disease  
 of all people. It also shows that the  
 disease is not a disease of any one  
 age, but is found in all ages. This  
 is a very important fact, as it shows  
 that the disease is a disease of all  
 people, and not a disease of any one  
 age. The third of these is the fact  
 that the disease is not confined to any  
 one sex, but is found in both sexes.  
 This is a very important fact, as it  
 shows that the disease is a disease of  
 all people, and not a disease of any  
 one sex. It also shows that the  
 disease is not a disease of any one  
 race, but is found in all races. This  
 is a very important fact, as it shows  
 that the disease is a disease of all  
 people, and not a disease of any one  
 race. The fourth of these is the fact  
 that the disease is not confined to any  
 one climate, but is found in all  
 climates. This is a very important fact,  
 as it shows that the disease is a  
 disease of all people, and not a  
 disease of any one climate. It also  
 shows that the disease is not a  
 disease of any one season, but is  
 found in all seasons. This is a very  
 important fact, as it shows that the  
 disease is a disease of all people, and  
 not a disease of any one season.



Maselle Wine beyond any other. Wine in general lessens the heat & lowers the Pulse.

Very remarkable cures have been performed in this Fever by the Patients living content on Fruit, as eating Oranges in great plenty *ad libitum*; & in these Fevers <sup>no</sup> ill Effect that can arise from them; only sometimes they cause a Diarrhoea for the most <sup>part</sup> very gentle, tho' sometimes it may become immoderate, but it may be checked with opiates.

The Food should be of the Vegetable kind light and easily digested, and pleasant too, but if the Patient is very desirous of weak Broth he may be indulged in it and likewise may have Beef Tea.

As a Cordial I mentioned wine as the very best, and all the rest as Theriac. Mithrid. Confectio Cordiaca &c. act only as Temporary Stimulants, but the Effects of wine are more lasting & diffuse; It is necessary to give the Patient, a little of it very frequently every hour



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



hour, because in many Cases unless this is done they thro' the excessive weakness, will be very apt to faint. & here this is exceedingly dangerous because they frequently are carried off in these fainting Fits. They are sometimes so exceedingly exhausted as to be unable to be moved in the left or set up without fainting & when it is necessary to remove such either for the sake of better Air or making of their bed the best way to prevent this faint is to carry them in a horizontal Posture, by putting your hands under them.

In Hospitals where this Fever prevails much Caution prevents its great mortality unless thinning the wards & letting in Fresh Air, & if we can in the very beginning if we remove the Patient to a very cool dry Air.

It is of consequence to such as go abroad to the hot climates, to know, that Sea Air has a remarkable good effect, on this Fever and the Miliary Remittent.

Peruvia an of considerable use in moving



*[Faint, illegible handwritten text, likely bleed-through from the reverse side of the page.]*



being some of the most violent Nervous symptoms  
as Subsultus Tendonum Delirium & & prostrating  
sleep, but we should be particularly attentive  
not to make the water too warm or let the  
Patient sett up lest he faint. fomentations of  
it applied to the limbs & hands summost proper  
this has another good effect of promoting a di-  
aphoresis —

Serpentary and Potters are prescribed here  
as Antisepticks, but for reasons already  
given are not proper. And all Astringents  
are in some measure Antisepticks. I do not  
deny this quality in them & especially in the  
Serpentary, but then they given in such  
small Doses can make no manner of Change  
on the Blood, their Action is entirely confined  
to the contents of the Stomach & Intestines  
which indeed they may in some measure  
Change but wine enters the Blood & its effects  
are much more diffuse & universal.

Of all the Neutral Salts given in Fevers Potash  
the most disagreeable to the Stomach & Intestines



*[Faint, illegible handwriting, likely bleed-through from the reverse side of the page.]*



I now proceed to the particular cure of some of the most threatening symptoms and

1 A Violent Diarrhoea is best checked by Opacates either by themselves or joined with Aromatics.

The Tincture of Roses is a very agreeable Medium & proper here; Red wine mulled with cinnamon may be given as a grateful Corvial & proper Medicine in this case; A Symplic of Theriacal to the Quantity of  $\mathfrak{z}\mathfrak{ss}$ . in  $\mathfrak{z}\mathfrak{iv}$ . of Milk is found very Effectual in Violent Diarrhoeas. But they should not be entirely stopped because it is dangerous. Pectoralia are prescribed in Diarrhoeas very often but are improper here because they are of a Septic Quality.

2 Vomiting is most effectually checked by the saline Draughts in State of Effervescence if this fail Laudanum may be tried and providing it is not effectual by itself continually mixed with opium & camphoratum & rubbed into the Stomach it seldom fails and a Cataplasm of Theriac applied to the Pet of the Stomach is very good. The Formula



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Terminations of this Fever are sometimes  
 by Abscesses of the Parotid Glands, these  
 should be opened as soon as possible &  
 we ought not to wait till there is an appa-  
 rent fluctuation of matter, because it is  
 of so thick & viscid a nature as we could  
 not be sensible of any fluctuation, even  
 tho' collected in considerable Quantity, &  
 there is great reason to believe that their  
 being not opened soon enough has been  
 the Cause why these Tumors burst oft  
 & have occasioned a fatal Abscess. The Cure

Cataplasms of Milk and Bread applied  
 in the common way used by the Common  
 People is not beneficial, because they soon  
 grow cold, I think the warm Gum rather  
 much better.

When the Malignant Fever is joined with  
 terminated in an Intermitent, it is cured by the  
 Bark as in other Intermitents.

I formerly mentioned worms as a complica-  
 tion in this Fever, and that they were some



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sometimes voided by the mouth, when ever  
therefore there is very great sickness & uneasiness  
at Stomach & a suspicion of worms a gentle me-  
dic will be proper and then a Dose of Rhubarb  
and Calomel. The general Anthelmintic me-  
dicines are by no means proper here, because  
they distress the Stomach too much. & Calomel  
is in my opinion as effectual as any of them.

If the Patient is affected with a Dysentery, Emol-  
lient Fomentations applied to the Perineum &  
Belly, with Mucilaginous Drinks as Deco-  
ction of Gum Arabic with Spirit. Rub. Dule  
are very proper Remedies.

Oedematous swellings of the legs are removed  
by the Bark & Acids, with Diuretics & purga-  
tives given once or twice a week. & I have experi-  
enced of Oauers Powder acting as a Purgative, with  
great relief for any Emetic joined with it, as it  
will have the same effect. If in this case  
the Patient is not very weak & under a violent  
Fever or violent Diarrhoea I sometimes use the top  
evacuate the water most effectually, but if they



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they labour under the above Disease the  
Evacuation will be so great & sudden as to sink  
their strength and bring them to the grave  
because after such fevers as these the Blood  
is in such a Dissolved state. Blisters appld  
in these Cases to the Ankles are very apt to  
gangrene. In consequence of the Deposition  
of the Blood the Patient after this fever for  
a considerable time is very subject to Hemor-  
rhages, but this is removed by the use of the  
Bark, Acidulated Drinks & Cool Air.

Preservatives against this Fever are cool  
dry Air, which is one of the best, great Clean-  
liness, plenty of Exercise, a generous Diet  
but avoiding Excess of Drinking, because  
subject to the Depressing Passions <sup>of Malignant Fevers</sup> it is always  
followed by prostration of strength & death.  
In these circumstances we see people  
more susceptible of febrile Disorders besides  
after a Debauch people are very apt to  
catch cold, both which are predisposing  
causes of the Disease.



My dear mother  
I received your letter of the 10th  
and was glad to hear from you  
and to hear that you were well  
and happy. I am well and happy  
and hope you are the same.  
I am writing you a few lines  
to let you know that I am  
thinking of you and of the  
time when we will all be  
together again. I am  
loving you all very much  
and hope you are the same.  
I am writing you a few lines  
to let you know that I am  
thinking of you and of the  
time when we will all be  
together again. I am  
loving you all very much  
and hope you are the same.  
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time when we will all be  
together again. I am  
loving you all very much  
and hope you are the same.



And all People should never visit patients  
 in these fevers fasting & likewise it would be  
 proper to breathe thro' a sponge Dipped in Vinegar  
 especially if inspecting them nearly, and it  
 ought to be a Rule with Physicians after visiting  
 such Patients always to change their cloths  
 before they visit any other, because there is  
 reason to believe the Infection has been com-  
 municated this way. I have already men-  
 tioned the Method to be pursued when we per-  
 ceive the first appearance of this Fever & for  
 more Directions on this look to those given  
 about Intermittents.

Authors best on this Fever are D.<sup>r</sup> Mead  
 and above all others D.<sup>r</sup> Pringle. D.<sup>r</sup> Moser  
 on Camp Diseases, Dehaen on the fever of Black



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Of Cl. 1. Or. 2. Genus 3.

## The Nervous Fever.

This makes the Sympus Nervosus of Sauvage but his Description is not at all satisfactory he says it's a Fever that lasts 2 Weeks, but the Urine and Pulse are as in health, and that there is only a greater Degree of sweating than ordinary; this surely is no good Distinction for we always find the head affected & a compression of the Nervous Power with other febrile Symptoms; the heat indeed is little more than Natural, but in general a very little Elevation may be observed in the Pulse; and this is another Symptom that distinguishes it both from the Inflammatory & Putrid fever vizt. a total want of Thirst.

This Fever has never been accurately described till within these 50 years & D<sup>r</sup> Helichest gives the best and most accurate Account of it I have met with in the European Writers



I have been thinking of you

very much lately

and wondering how you are getting on  
 I hope you are well and happy  
 I have been very busy lately  
 but I have not forgotten you  
 I have been thinking of you  
 and wondering how you are getting on  
 I hope you are well and happy  
 I have been very busy lately  
 but I have not forgotten you  
 I have been thinking of you  
 and wondering how you are getting on  
 I hope you are well and happy  
 I have been very busy lately  
 but I have not forgotten you

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 and wondering how you are getting on  
 I hope you are well and happy  
 I have been very busy lately  
 but I have not forgotten you  
 I have been thinking of you  
 and wondering how you are getting on  
 I hope you are well and happy  
 I have been very busy lately  
 but I have not forgotten you



Boys and Dr. Huxham in his Treatise  
on Fevers gives a very good historic of it.

I shall now mention the symptoms that  
attend this Fever during its Progress, which  
is divided into three Stages.

In the first stage as the Fever attacks very  
gradually, the patient will find himself  
a little out of Order for 2 or 3 Weeks before  
he is confined to Bed, his spirits during  
this time are low his Appetite gone, little sleep  
he loves solitude, & seems better in the cool  
& at sometimes has a slight Delirium.  
Now all these symptoms increase and the  
patient comes on a great Degree of Languor of the  
Faculties, after this slight Chill & heat may  
be perceived, but not so great as to discover the  
Name of Rigor; there is likewise a sense of heat  
or weight on the Praecordia, a Giddiness of the  
Head, & frequent inclination to vomit, & when  
they do vomit nothing but insipid Phlegm  
is brought up, which is a new Symptom that  
helps to distinguish this from the  
Inflammatory, & Putrid Fevers; in the last of



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of these the Somnolency are highly fatidic  
 bilious. There is likewise a total Depression  
 of every thing, very little Thirst which is  
 one of the symptoms that chiefly distinguishes  
 this fever from the two former; these symptoms  
 are not always alike or permanent but com-  
 monly are sensibly increased towards  
 Night. The head becomes more & more affected  
 there is now Delirium & Vertigo; the heat  
 now becomes greater than natural; the  
 Pulse which at first was not quicker than  
 natural now becomes weak & feeble and  
 a little quicker. At this time there is often  
 a remarkable Difficulty of breathing & op-  
 pression on the Breast, with deep sighing  
 which may be mistaken for an Inflamma-  
 tion of the Lungs. & mislead the Physician  
 for if bleeding at this time be advised  
 it frequently sinks the strength so as  
 never to be recovered again. This ought  
 carefully to be attended to. And now there  
 is commonly a great Degree of Torpor &  
 pain of the Crown of the head, which is



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which is succeeded by Delirium. Here the Countenance is pale & sunk, and a great drowsiness attacks the patient, who tho' seemingly asleep is not at all insensible. At this time the Pulse becomes irregular being quick weak & slow then fluttering and intermitting. Flushing on the face with hectic like heats are common while the Tip of the Nose & Ears are pale & cold & a cold sweat on the forehead. In this Fever the Extremities are always disposed to be cold; the Urine is pale & limpid & of a whey colour, without any Sediment: which makes another Difference betwixt this & the Inflammatory Fever where the Urine is always colour is paribus of a high red colour.

The Tongue is moist & continues so to the last stage of the Fever & this likewise distinguishes it from the former fevers.

There is here a remarkable degree of Morbidity of the Nervous System, as may be concluded from the uneasiness & occasional



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visions by light or a little noise, in the very same way <sup>we</sup> women that are highly hysterical affected.

This Fever has been observed to come on like a slight Rheumatism, with fainting & Depression of strength & Nervous Power—There have been instances of its beginning like the Inflammatory Fever, with this Difference that the Pulse upon the Accession of the Delirium grows weak & contracted, whereas the very opposite happens in the Inflammatory Fever.

There in general are the Appearances of the Fever till about the 7. day after being confined to bed. There is no possibility of discerning the critical Days in this Fever, because we cannot learn the time of its Attack, we can only reckon from the time of being confined to bed, but in the Inflammatory & other Fevers from the Prior beginning.

About the 7. Day then the Headness Vertigo & headach increase with great Delirium and Oppression & Anxiety



The first of these is the  
 fact that the system of  
 the world is not a  
 simple one. It is a  
 complex one, and it is  
 one that is constantly  
 changing. It is a system  
 that is not only  
 changing, but it is  
 also growing. It is a  
 system that is not only  
 growing, but it is also  
 becoming more and more  
 complex. It is a system  
 that is not only  
 becoming more and more  
 complex, but it is also  
 becoming more and more  
 difficult to understand.



Anxiety of Stomach, and cold sweats on the  
 Face and Neck: in these Circumstances a sud-  
 den change in the colour of the Urine to pale  
 or clear is always a forerunner of violent  
 affections of the head as Universal Tremor  
 convulsions, violent delirium, Tendency  
 or Coma. A Delirium often comes on with-  
 out any Inflammation of the Eyes which  
 is a common appearance, I have known De-  
 lirium proceed from a morbid affection of  
 the Stomach without any Inflammation of the  
 perhaps in this Fever there is no Inflammation  
 of the Brain or if it be it is removed at  
 a considerable Distance from the Eyes, and  
 indeed the cerebellum seems to be prin-  
 cipally affected. Now the tongue is dry &  
 trembles when put out, & the Patient still  
 complains of thirst which is very  
 often owing to the Torpor or insensibility  
 Now from the 9 to the 12 Day the Patient is sub-  
 ject to profuse sweats & Colliquation Di-  
 arrhoeas, which are not at all critical but  
 merely Symptomatical evacuations.



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Evacuations, because under them the Patient is rather worse & more uneasy.

In the last Stage of this Fever, the Extremities become quite cold, the Pulse is quick & intermitting, so quick as scarcely to be discerned, there is Delirium & Coma with a very great insensibility, & the Urine & Stools run off involuntarily, likewise a very violent Subsultus Tendonum.

The Duration of the Fever is uncertain sometimes it will last 20 Days, but if the Patient survive the 11th Day from being confirmed I seldom find the Disease prove mortal in fevers in general. After the 11th Day a Deafness comes on it's acknowledged a curable Symptom, unless when the Effect of general Insensibility, then it's a bad one.

There is a remarkable Symptom in this Fever mentioned by Dr. Huxham which I myself have often observed that is the Patient wont allow himself to fall asleep lest he slip away in that State & entreats







entreats the by standers to keep him  
awake; this is a strange timidity & atten-  
tion with a very great degree of Dejection  
of Spirits. Deafness is apt to make the  
Physician believe that Patient more insensible  
than he really is, but he should be aware  
of this. — This Fever has seldom  
any regular Crisis or evacuation, but  
rather by gradual remission of symptoms  
& I have seen it go off by a Comatose Disposi-  
tion or a sleeping of 2 or 3 Days continuance.

There have instances occurred in my Pa-  
tient of the Patients continuing a little while  
& having a kind of Diotical Behaviour  
even when he has been able to go abroad  
and home back & some say they have con-  
tinued so always tho I never saw an Instance  
of this neither do I believe it.

In this Fever <sup>there is</sup> no Judgement of the Issues of the  
Disease from the appearance of the Urine  
Delirium if it come after the 9 Day is not so  
very dangerous, but if before that it is



The first of these is the fact that the  
 world is not a uniform whole, but is  
 divided into many different parts, each  
 of which has its own peculiar character  
 and its own laws. This is the case with  
 the human mind, which is not a single  
 entity, but is composed of many  
 different faculties, each of which has  
 its own proper sphere of activity. The  
 mind is not a passive receptacle of  
 ideas, but is an active power, which  
 can create its own ideas, and can  
 modify and combine them in various  
 ways. This is the source of all  
 human knowledge, and it is the  
 foundation of all human progress.



is no good Symptom. This Fever has been observed sometimes to terminate in Apoplexy & palsy & in some cases we may observe distinct Paroxysms every 2.<sup>nd</sup> or 3.<sup>rd</sup> Day, which are different from those exacerbations observed at night: this seems to indicate that the Fever will terminate in an Intermittent, which is farther indicated by the appearance of a Sediment in the Urine, & this makes it probable that the Bark may yet be given with great success in this Disease, & has already been the cause of giving it here; this Gentleman I hope you'll attend to as I expect great Advantage from it in the Cure.

Towards the End of this Fever all the Symptoms of Putridity come on especially if it has lasted long especially in warm climates; but here Gangrenes are more frequent & are brought on by the lying well among Foul Urine that run off involuntary, however they are well attended with great Danger and are often fatal.







*Relief*  
 There is a pretty remarkable Appearance  
 in this and in most other fevers which I know  
 not how to account for it is what the Vulgar  
 call a lightning before their Death. I have  
 often observed it; the Patient recovers his  
 Senses entirely & speaks & acts as usual  
 & there is a very evident alleviation of  
 all the symptoms only the Pulse is very  
 low & weak. This Appearance makes me  
 very diffident, in cases where there is any sud-  
 den Change of symptoms to the Better, to  
 give my opinion of the Patients Case.

The favourable symptoms in this Fever are  
 when the tongue continues moist, and  
 a natural Salivation comes on, when there  
 is a gentle moisture on the skin & not  
 a sweat for its one of the worst symptoms,  
 when the Patient lies waking in profuse  
 sweats, if this moisture is universal  
 it's always attended with alleviation of  
 the symptoms. A gentle Diarrhoea is  
 good, but if violent it's very follicular  
 & bad; Abscessus of the Glands & Swelling.



The first of these is the fact that the  
 the number of the population of the  
 world has increased from 250 millions in 1650  
 to 2,500 millions in 1950. This increase has  
 been the result of a number of factors, the  
 most important of which are the increase in  
 the number of children born to each woman,  
 the decrease in the number of children who  
 die before they reach the age of five, and  
 the increase in the number of years that  
 people live after they have reached the age  
 of fifteen. The second factor is the fact  
 that the number of people who are  
 employed in agriculture has decreased  
 from 70 per cent in 1650 to 30 per cent  
 in 1950. This decrease has been the  
 result of the fact that the number of  
 people who are employed in industry and  
 commerce has increased from 10 per cent  
 in 1650 to 70 per cent in 1950. The  
 third factor is the fact that the number  
 of people who are employed in the service  
 industries has increased from 10 per cent  
 in 1650 to 20 per cent in 1950. The  
 fourth factor is the fact that the number  
 of people who are employed in the  
 military has increased from 10 per cent  
 in 1650 to 20 per cent in 1950. The  
 fifth factor is the fact that the number  
 of people who are employed in the  
 government has increased from 10 per cent  
 in 1650 to 20 per cent in 1950. The  
 sixth factor is the fact that the number  
 of people who are employed in the  
 education has increased from 10 per cent  
 in 1650 to 20 per cent in 1950. The  
 seventh factor is the fact that the number  
 of people who are employed in the  
 health services has increased from 10 per  
 cent in 1650 to 20 per cent in 1950.



swellings, especially of the Parotids &  
 Eruptions about Mouth & Nose in the De-  
 cline of the Fever. Military Eruptions are  
 favourable & called critical because they  
 appear for the most part on the critical  
 Days as on the 7, 9, 11, 14 but strictly speak-  
 ing these as observed before, cannot be  
 known in this Fever. I have often seen  
 them appear with evident alleviation of all  
 the symptoms; but very frequently they  
 are the consequence of hot Regimen  
 where they will succeed & are often source  
 to a great number of times, profuse  
 sweating brings them out & I am persua-  
 ded that appearance in lying in, & in  
 recovery to the hot Regimen, tho' I'm not  
 entirely of Dehaen's opinion: he says they  
 never appear but in consequence of too  
 hot a Regimen. These military Erup-  
 tions are very often preceded by a remar-  
 kable degree of oppression & Anxiety about  
 the Praecordia & stomach, which sympt.  
 have enabled me often to foretell their Ap-



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Appearance. Apthæ of a brownish white colour are favourable, but if they are of a pure white colour they are bad.

I now shall mention the bad symptoms which attend this Fever, and a great Difficulty of swallowing & gulping attended with Hæmip may be reckoned very unfavourable likewise all profuse Sweats, & copious stools severe Diarrhœa, brown and black Apthæ & Petechiæ are bad symptoms, & we may pronounce the Patient in a dangerous Case when the symptoms of Putridity come on, and severe Pains of the Back & Loins & the Lægis preceding this or any other Fever are bad symptoms.

#### Antecedent Causes of this Fever

A Weak nervous lax habit, a poor thin Blood, & great evacuations of any kind Depressing Passions, great Study, excessive labour, Mercurial Salivation all dispose to this Fever. Infants under 6 or 7 years old never have it & old people



The first of these is the fact that the  
 government has been unable to  
 secure the necessary funds to  
 carry out its policy of  
 maintaining the peace in  
 the country. This has been  
 due to a variety of reasons,  
 including the fact that the  
 government has been unable to  
 raise the necessary funds from  
 the public, and that it has  
 been forced to borrow money  
 from foreign sources. This  
 has led to a situation in which  
 the government is unable to  
 pay its debts, and is forced  
 to default on its obligations.  
 This has led to a loss of  
 confidence in the government,  
 and has resulted in a  
 general state of anarchy in  
 the country. The second of  
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 government is unable to pay  
 its debts, and is forced to  
 default on its obligations. This  
 has led to a loss of confidence  
 in the government, and has  
 resulted in a general state of  
 anarchy in the country.



people are not subject to it, but it chiefly  
 invades the middle aged & youth, it is most  
 prevailing in moist wet weather & in  
 marshy countries. It is observable that  
 where these Fevers are Epidemical the  
 Common People are most apt to be  
 seized with it, because they cannot live  
 on such generous food & drink now as  
 we see the wine Drinkers escape when  
 this Fever is Epidemic; and this depends  
 sometimes on the State of the Air, tho' it  
 has been certainly contagious & a supply  
 from whole families being seized with  
 it at once, even when not traveling in the  
 Place. Do not think that the Effeminacy  
 of the people in the high Station is a Cause  
 of its frequency among them, because we  
 likewise find it more so among the lower  
 sort who live just as well & no better  
 than formerly. - Catching Cold has been  
 ascribed a Cause of this fever but it



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it is not peculiar to it.

I shall now recapitulate the symptoms that chiefly distinguish this fever from the Inflammatory Fever.

In the Inflammatory Fever the motion of the blood is rapid & vigorous, here it's slow & sluggish; the heat & thirst are intense here these are seldom more than natural the Urine here is pale but in the other high coloured if the patient has not done great deal. In Inflammatory Fever there are pains in different parts of the Body, the seizure is sudden, and attacks those of rich blood & sanguine Temperaments, & the blood in it is very & dense but; in this Fever, there are not any such pains felt, it comes on gradually, & attacks those of a poor thin blood and lax habit & the blood is little altered from a natural appearance. The Inflammatory Fever is most common in dry & cold seasons, these sufficiently distinguish







distinguish it from the Inflammatory  
 Fever; & by the following may be well  
 enough known from the Malignant;  
 in the Nervous Fever there is less heat  
 no Symptoms of immoderate Action  
 of Bile, or of Putrefaction, as fetid Breath  
 which may distinguish it, the Nervous  
 Symptoms, are pretty much alike in  
 both, only more violent in the Putrid Fever  
 & the Blood is always much affected  
 in it & natural in the Nervous Fever.

Of the Proximate Cause many Theories  
 have been given. Because the Appearance  
 of the Blood was natural some have said  
 it was in the Sympathicks, but to most  
 appears to be seated somewhere else as  
 in the Nervous System, but what this  
 Affection of the Nervous system is I can  
 not pretend to say. There is in this Fever  
 a considerable Degree of Spasmodic Struc-  
 ture more than in any of the rest, yet this  
 may be a pretty universal attendant on







on it, we cannot call it the full Proximate  
Cause; the circumstances that indicate  
this Spasmodic Structure, are a low weak  
Pulse, small & irregular & considerably  
contracted, these are in the increase of the  
fever, but as it goes off the Pulse grows  
full firm strong & soft, where as in Inflam-  
matory Fevers the Pulse at first is strong,  
full & firm, but in the decline small weak  
and fable.

Do not say, that this Spasmodic Structure,  
is universally present, in all Nervous  
Fevers; or that it is the full Proximate Cause  
of this Fever; because there are many  
Instances, of a universal Relaxation, as  
we may see from the heat being equally re-  
fused & the Skin all over soft & in a gentle  
sweat, & in profuse sweats which have  
been mentioned already among the bad  
Symptoms, there can be no Spasm pre-  
sent. But when I speak of this Fever as arising  
it rather as a Symptom or Fact, & not the







the full Proximate Cause, what produces  
or causes this spasm. I do not know; but we  
find it frequently connected with both Irri-  
tability & Debility of the system & these often  
without it, hence the one cannot be said  
to be the cause of the other. There is certainly  
something vitiated in the system, that has  
a great effect in Depressing the Nervous  
Power especially with respect to it's ener-  
gy on the Organs of motion. but what  
is the form of this Debility or vitiation  
I know not, unless I could account for  
the method of operation of the Nervous  
Power which I do not pretend to account  
for; & it's of very little consequence in Pra-  
ctice, 'tis sufficient for us if we know what  
will raise or depress it.

The Indications of cure come next to be  
treated of, and these we proceed upon two  
principles, and we draw an Indica



The first of these is the fact that the  
 number of cases of the disease has  
 been increasing steadily since 1899  
 and is now at its highest point in  
 the history of the country. This is  
 due to a number of causes, the most  
 important of which are the increase in  
 the population of the country, the  
 increase in the number of cases of  
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 number of cases of the disease which  
 are reported to the authorities.



Indications from observing the Patients  
relieved by certain Natural Evacuations  
which points to us the propriety of promoting  
these, as gentle Diaphoresis or Moisture of  
the skin, by mild Diaphoreticks; exempli-  
fied farther in Diarrhoea & salivation both  
which when mild ease the Symptoms

2 From observing the symptoms, we are  
directed in our proceeding, as when we see  
a remarkable degree of Depression on Vital  
Powers we have an Indication here to  
support the Testis by proper Regimen  
by wines Cordials, Blisters, Stimulants &c.

3 To take off generall Spasm from <sup>the</sup> system  
by Antispasmodicks & Inoluent Fo-  
mentations

4. To Alleviate the other general Symptoms  
that is those that are not so constant but  
intermittent.

The Nervous Power never of itself  
requires bleeding, unless it be in full &  
very sanguine temperaments or where



*[Faint, illegible handwriting, likely bleed-through from the reverse side of the page. The text appears to be organized into several paragraphs.]*



where there are signs of Inflammation; for independent of these Circumstances it weakens the Patient & sinks the Spirits.

This Fever has sometimes been mistaken for a Peripneumony, the consequence of which has been above observed, to be very dangerous. but may easily be distinguished by the following symptoms, in this Fever the Pulse is small and unequal, & the Antecedent and Prodromic Causes are different & very opposite to those of the Peripneumony, in this the Symptoms are very different, especially the great prostration of strength & Depression of Spirits. The breathing instead of being hot & laborious is rather a kind of oppression occasioning frequent sighing & sobing. here the Urine is pale & in the other high coloured, & the Cough does not attend the Nervous Fever. No one of these symptoms singly are enough to distinguish these Fevers yet if joined <sup>they</sup> act as a <sup>may</sup> be depended on as a sufficient Characteristic to know either.







But in doubtful case no harm can be  
in taking 3iv of Blood from the Patient  
if he is not very weak in the beginning  
and according as the Pulse & the Blood  
ding is he to judge of the Fair

There are some Cases to be met with of  
violent marks of Inflammation in  
the Brain, and in such Cases (cupping &  
Topical Scarifications do not sink the Strength  
near so much as half the Quantity evacuated  
from the Arm. Vomites may be given here  
to evacuate the glutinous matter that lies  
in the Stomach resembling whites of Eggs  
of Eggs, their use is indicated by the Head  
& Aching and Anxiety, what is brought  
up is a glutinous matter entirely void  
of Acrimony & Putrescency. The Effects  
of Vomites here are to dislodge this matter  
to promote Diaphoresis & Salivation  
and to act as Antispasmodics

They are particularly proper in the begin:



Handwritten text in a cursive script, likely a letter or a page from a manuscript. The text is written in dark ink on aged, slightly yellowed paper. The handwriting is dense and fills most of the page, with some lines appearing slightly faded or obscured by the binding edge on the left. The text is organized into several paragraphs, with some lines starting with capital letters. The overall appearance is that of a historical document.



beginning of this Fever & have commonly  
 the same effect in carrying off this Fever as  
 they were mentioned to have in the Bilious  
 Fever if they are given at the time there  
 said to be proper, & with the like precautions  
 and they may be given at any time some  
 of it if the above symptoms be present  
 & especially if there is a Dilatation or Stupor  
 on which they have a remarkable good  
 Effect. Sometimes there is a very great Difficul-  
 ty which endangers choaking & then a  
 Vomitive is very proper & when the Spasms  
 disappear or are going away the Patients  
 frequently endanger strangulation in  
 both these cases I have seen an Emetic save  
 the Patients life. The Submiss of the Stom-  
 ach does not always depend on the Matter  
 contained in the Stomach, but is merely a  
 nervous symptom.

The proper time of giving an Emetic  
 is in the Evening a little before the Exacerbation  
 which is often prevented by it.







I mentioned that Vomels were formerly given with a view only to promote Vomiting, Yet Antimonials given in such small Quantities as only to excite a Nausea, & here they act as Antispasmodicks and Euphoricks and likewise by procuring a remission of the symptoms & pave the way for the Exhibition of the Bark.

In this Fever Patients bear the Operation of Emetics far better than Purgatives which is stimulating & not often cause great Depression of Strength & fainting, but in general Mild laxatives should be given from time to time to prevent the Accumulation of & discharge this Glairy Colliquies & generally one or two Stools a Day will be enough, but the Exhibition of Emet. Tartar in small Doses often does this & procures a Remission of Symptoms this (if not purged off) brings on violent Nausea & Sicknefs, with vomiting



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and sometimes a severe Diarrhoea; gentle  
purgatives are most proper to carry off this  
but Glauber's Salts are not found to answer  
here so well as Small Doses of Rhubarb or  
the better tincture of it, which shall be  
given where Tartar Emetic is not used  
Sometimes the Patients Stomach will not  
bear any sort of Purgatives, & in this  
case small lent Glysters may supply their  
place. of the Regimen

It is necessary that the Patient should breathe  
a fresh & cool Air, this has no tendency to  
check the Moisture on the Skin as has been  
very supposed. As this Fever is of pretty  
long Continuance, it is necessary often to  
change the Patients Linen; there is a great  
and prevailing prejudice amongst people  
against this Direction, lest it check the Mois-  
ture on the Skin, & when Physicians tell  
them that a moisture is salutary they al-  
ways put on more cloths till they raise a sweat  
which is often dangerous. But the Changing



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of the Patients linen is attended with no sort of Danger provided it be done with common care & is particularly necessary in this Fever because of the Involuntary Stools & Urine, the Effluvia of which must certainly have a bad effect on the Patient & are often the cause of Gangrene in the Back. In the beginning of this Fever it is a necessary precaution to shut out the light and as much as possible prevent Noise, because of the great Irritability of the Nervous system especially by these.

There is no necessity for the Patient's drinking much in this Fever, however it may be sometimes proper to offer him one now & then, because he would never call for any thing on account of the great Torpor & insensibility; if he were in quantity sufficient to support his life it is enough.

In the End of this fever if the Patient calls for it he may be allowed weak broth, and Rice Tea, or hartshorn & Caffee Jelly.



*[Faint, illegible handwritten text, likely bleed-through from the reverse side. A large, irregular stain is visible on the left side of the page.]*



is wine for a Cordial, it's the best of this Class.  
 & it's Effects are most lasting, here it supports  
 the Vis Vite restrains Colliquative Sweats  
 supports Critical & Miliary Eruptions & makes  
 the Pulse slower and fuller. & in general it is  
 rather cooling, it removes Delirium in many  
 Cases when the Eyes are inflamed, it likewise  
 carries off the head ache & relieves the Jactitation  
 or tossing & procures sleep when Opiates  
 have failed, and in Comatose Cases.

Besides all this it is the most grateful  
 of any to the Stomach, & in all Diseases  
 where the Stomach is so much affected as in  
 this what is the easiest on it & is most agreeable  
 should be well attended to by Physicians  
 We are highly indebted to D. Gilchrist  
 for introducing the liberal use of wine  
 into practice in these Fevers. Best form  
 is plain old Wine, which has not the least  
 tendency to check the Diaphoresis & I take  
 great old sound Claret to be the best.

Quantity of it should always be regulated  
 by the Effects it produces. I do not mean



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mean that were constantly and uniformly produces all these effects else we should be possessed of a medicine that would deal ways & in all cases would cure this Fever. I only mean that it has been observed to produce all these effects & indeed it is a medicine of the most extensive use in Practice I know and I presume that by the plentiful use of wine, Antimonials, Blesters & the Bath we could want all other medicines in the cure of this Fever. Cold water may be given here too it acts as a powerful Cordial & Diaphoretic and there can be no objection against its use as in fevers attended with Topical Inflammation - also Diaphoretics.

It's necessary to keep up a gentle Diaphoresis but those that are very stimulating & hot as Cal. C. Sweet. Serpentin. Confect. Cardiac & safran &c. are not proper here, & who says no Advantage above wine, should never be given unless when a quick Stimulus is necessary. They heat & increase the Irritation especially in the beginning of the Fever







567  
and by the by Saffron is the most insignificant of the whole Class.

Antispasmodics are Internal or External and Musk is the most powerful I know when given in large Doses of ʒi & ʒss. every 3 or 4 hours it carries off Subsultus Tendonum & Delirium. I have likewise tried the Ether with success but it is not so powerful as the Musk. Opium is given to advantage in the End of the Disease it cures the Restlessness & Anxiety promotes Diaphoresis & takes off Spasm, but its effects are not certain, for I have found it increase the Delirium and headache, which wine has removed; however Opium is useful for checking violent Diarrhoeas, in the beginning they abate the Anxiety & fighting & prevent Delirium.

External Antispasmodics are Fomentation, they moderate Subsultus Tendonum & take off Delirium & promote Diaphoresis, if the water is too warm it will make the Patient faint & he cannot sit in an erect posture



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hence the necessity of taking him out of  
 bed on a horizontal posture, and a temp-  
 erate Bath acts here as the most powerful  
 Antispasmodic, as before observed.

Blisters are often applied in this Fever  
 And as was observed before if at the first  
 Attack of it a Blister is put on the head  
 it prevents the fever; but after the Patient  
 has been confined to Bed Blisters have a  
 bad effect, they often increase the Subrultus  
 Tendinum & head ach, but after the fever has  
 continued 2 or 3 Days they may be given one  
 at a time after another with good success  
 they are observed to ulcerate more deeply in  
 this Fever than in any other where they often  
 proves of use to the Patient. They are indica-  
 ted by Bubbles breaking out about mouth  
 and nose, this & the Circumstance of their  
 ulcerating has given cause to some to ascribe  
 this Fever to great Acrimony. During the  
 time the Blister lies on I have observed the  
 Pulse contracted and hard but upon removing



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removing the Blister at became full & off.  
 We should make it a Rule always to shave  
 the head in the beginning of this Fever &  
 repeat the shaving every second or third Day  
 and bath it frequently with Rinsgarb water  
 I always prescribe Blistering to the feet & espe-  
 cially in Comatose Cases find it serviceable  
 but it affords the greatest Stimulus I know

The properest time for applying a Blister  
 is, that it may begin to operate when the  
 Patient is free of Fever, but the common  
 time is at bed time when the Exacerbations  
 come on however this is wrong.

When the Patient is very pale it indicates  
 the use of Cordials, & a great Depression of  
 the Nervous Power to be present.

Oct 23

9 Nov.  
 1768.

There sometimes occur Cases where there is a sud-  
 den Depression of Strength & Blisters are indicated  
 but I have <sup>seen</sup> several Cases on one after another  
 but never any very good Effects from so many  
 at once; in such circumstances Anapieris ap-  
 plied to the feet are much better than Blisters &



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& are attended with none of their Disadvantages  
 they neither increase the *Dulorullus Tendonum*  
 nor do they heat so much & never produce a Tran-  
 quiry. Besides they give a quicker Stimulus  
 But if they are long kept on they are apt to  
 raise Topical Inflammation & blister the  
 Place, but there is seldom danger in this altho  
 they do Ulcerate, because the Discharge is often  
 of great Service to the Patient.

In the beginning of this Fever when the head  
 is much affected I have seen very good Effects  
 from cold Applications of vinegar & water or  
 Symplicite. they refresh the patient are Anti-  
 spasmodic, keep off Delirium & procure sleep  
 & these cold Applications are particularly use-  
 full where there is sanguine Congestion or  
 Determination of Blood to the head which  
 we know from the red flushed face and the  
 throbbing of the Carotid Arteries; but in cases  
 of spasmodic Stricture being the cause of the  
 Affection of the head, when the Countenance is pale



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pale & no marks of Congestion warm Applications afford remarkable relief.

I before mentioned that the Bark was given in the Decline when there appeared regular Remissions; but towards the beginning it has been given with success and acts as an Antiseptic, & even as a florifuge; is likewise Antispasmodic, these are evident Effects of it. But I myself have often seen it ordered & done so myself in the Decline when no sensible Remissions appeared, unless than that commonly happen at Night, with very good success too I think. I have given it too with wine to support the Vis. Vita & I think there is no danger in giving it tho' these Remissions do not appear, and it has often been given in continued Fevers in the Decline but seldom in <sup>the</sup> beginning - The Bark either as a Nutrient or Tincture is the best & most effectual Medicine for checking the violent & colliquative sweatings, & especially if a Dose of Rhubarb be



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be interposed to take off the Determination  
of the ~~blood~~<sup>humors</sup> from the Brain, the Rhubarb may  
be given by itself or out of the Saline draughts  
These sweatings should not be suddenly  
checked, otherwise they bring on excessive  
Sensation of load on the Prothodia, and  
fainting. Indeed they are frequently the  
consequence of keeping the Patient too  
warm, & if there is any Disposition to  
evacuate much observed, there should be  
few cloths kept on & a cool Air in the room  
Sometimes a blister has stopped these  
but no Symptom requires greater Delicacy  
in its management than this

A Violent Diarrhoea is checked. <sup>Spasmodic</sup>  
and Emetics, especially if joined: <sup>rather as</sup>  
in Dovers Powder, but if suddenly <sup>stoppage</sup>  
on Peasack, Cholick. & Delirium.

When Petechia & hemorrhagies & other sympt<sup>s</sup>  
of Putrescency come on, they are best check'd  
by the Bark & Acid with red wine, And



The first of these is the fact that the  
 world is not a uniform whole, but is  
 composed of many different parts, each  
 of which has its own peculiar character  
 and its own peculiar history. The second  
 fact is that the world is not a static  
 whole, but is constantly changing and  
 developing. The third fact is that the  
 world is not a simple whole, but is  
 composed of many different parts, each  
 of which has its own peculiar character  
 and its own peculiar history. The fourth  
 fact is that the world is not a static  
 whole, but is constantly changing and  
 developing. The fifth fact is that the  
 world is not a simple whole, but is  
 composed of many different parts, each  
 of which has its own peculiar character  
 and its own peculiar history.



And Aphthae in the throat are cured by Gargles  
of Mustard whey or Figs with honey & Vinegar  
& if there is a great Quantity of Viscid Mucus  
a gentle Vomite is of service and for dissolving  
it a little caustick Alkali mix'd in the Gargle  
which is the strongest solvent of human  
Mucus I know.

In order to prevent a Relapse in this Fever  
the best Course is the Bark Exercise, & before  
there the Flesh Brush with Cordials & a  
Restorative Diet.

The Authors I would recommend on this  
subject are Dr. Galespius, Dr. Huxham

Dr. Whyte  
I formerly mentioned that I thought these Fevers  
required a very Different management with  
respect to the Cure & have therefore treated of  
them separately, but it's impossible I should  
give Directions how to manage every Combi-  
nation of these, & altho' I could the Physicians  
own Judgement must be the only direction  
to him & according as he finds the Disease  
partake more of the one or the other Genus & so







is his Practice to be varied  
 The next Order of Febrile Diseases is Remitt-  
 ent Fevers which I now come to speak of.

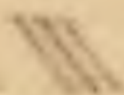
## Class 1<sup>st</sup> Order III.

### of Remittent Fevers.

These Fevers are attended with the General  
 Febrile Symptoms, which at certain times  
 remit of their Violence considerably but  
 never so much as to make a perfect Inter-  
 mission.

1<sup>st</sup> GENUS Is the Ardent Fever which  
 is the Cause of the Antients. It may be dis-  
 tinguished from the Inflammatory con-  
 tinued Fever, by having distinct Remissions  
 every third Day, & in this we find it's affinity  
 to the Tertian Ague; likewise by the intense  
 heat and extreme dry and parched skin  
 and the excessive Vomiting. The Duration







Duration of it is shorter or, most frequently  
 terminated in four Days, & seldom lasts  
 seven, tho' in some Cases it has been known  
 to continue fourten Days. This is very rare.

It attacks with severe chilliness succeed-  
 ed by intense heat, which is most fre-  
 quently felt inwardly, & especially at  
 the Region of the Stomach, and during this  
 heat the Extremities are commonly cold.

The Pulse in the beginning is extremely  
 hard and frequent, afterwards so feeble & irreg-  
 ular, and the Remissions are somewhat  
 Analogous to the Intermissions of a double  
 Sertian; There is an excessive bitter taste  
 of the mouth, a violent head Ach & Delirium  
 a constant Inclination to Vomite, & what  
 is brought up is exceeding Acid Mile; which  
 often is ejected by Vomits & Stools & is so  
 excessively Acid as to excoriate both  
 fauces & Anus & even the great galls as  
 we see from the Excrement being long



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lurged with blood; However if the Patient  
is coarse there is still greater Danger be-  
cause of the Accumulation of this highly  
Bilious and poisonous Bile; it will bring  
on inflammation of the Stomach & bowels  
When the Vomiting & Bilious Diarrhoea  
is very copious there is a great ressemblance  
to it & Cholera morbus, & these  
plentiful evacuations of it often cure it

The Breathing is quick & very laborious  
and a great tension of the Hypochondria  
is observed & is sore to the touch, there is  
a Disposition to faint, & the Urine is  
yellowish & red, the Countenance is also  
tinged with yellow, it is peculiar to warm  
Climates. At the End it puts on, the ap-  
pearance of the Putrid Fever, there are  
likewise universal sweats without any  
relief of the symptoms, and Hemorrhages  
all the secretions appear putrid & fœtid



*[Faint, illegible handwritten text, likely a list or account, covering the majority of the page.]*



putrid, and Gangrenous and Pustules appear  
in different parts of the body.

The Crisis of this Fever is most commonly  
by Vomiting and purging in the beginning  
sometimes by great Hemorrhage from  
the nose, or by gentle sweats; when this  
runs into an Intermitent Fever all the  
violent symptoms cease and the danger is  
gone; in some cases it runs into the slow  
Nervous kind, but this is rare; at oth-  
er times instead of remissions, a Paroxysm  
happens on the second day which is  
always a very unfavourable appearance  
& not without great danger; there is often  
in this Fever topical Inflammation espe-  
cially of the Stomach & Bowels, and of the  
head. It is not common in cold and tempe-  
rate climates, & the places where it rages most  
are Italy and the south of France, then it is the  
prevailing disease.

The Predisponent causes are Plethora, dan-  
guine Simpament, & Prime of life, it is







seldom attacks Children or old People

The occasional Causes are violent Passions which have been known to bring it on in the space of one hour & we all know that these violent Emotions cause a very great secretion of Mile even in these climates, where people are not by far so liable to them as in the Places above mentioned it is occasioned by excessive Fatigue, and being much exposed to the Sun, but above all by the Cold Damps in the Evening; drinking of Spirituous Liquors is likewise a Cause.

In the Proximate Cause all the light we have from morbid Depressions is inflammation of Stomach and Intestines and also Gangrenes in these; there is found in the Spleen a sanguine Congestion, & Inflammation and Suppuration of the Brain; the heart is considerably enlarged and full of Blood there is sometimes Inflammations of the Lungs, but especially of the Liver, which



Handwritten text in a cursive script, likely from a 16th or 17th-century manuscript. The text is arranged in approximately 20 lines, though it is significantly faded and difficult to decipher. The script appears to be a form of early modern English or a related European language. The page is numbered 570 in the upper right corner.



571.  
which is enlarged & often suppurated &  
the Gall bladder is found distended with  
black purraneous bile. the excessive degree  
of Acrimony of which requires a quick  
Discharge of it.

The Indications of Cure, are to moderate the  
great violence of the Febrile symptoms, &  
especially the heat and thirst, this is done by  
Bleeding, by Catharticks & Vomites & Emollt.  
Fomentations and Acids.

To temperate the excessive Acrimony of  
the bile, & this is effected by Emetics and  
Catharticks, by Acids and especially by Cold water.  
Bleeding in the beginning is no doubt  
very necessary to take off the Plethora & mitigate  
the violence of the symptoms, but if repeated  
it commonly sinks the Pulse, & besides  
often causes it to degenerate into a malign-  
ant Fever, and even in cases of Topical  
Inflammation, we shall find it necessary  
to use topical Bleeding & not to open a vein.







for reasons which are needless here to repeat and we even find Natural evacuations of it fatal; when the fever has continued three or four Days the Blood is always putrid and copious.

We should be very cautious in the use of Vomites in this fever because of the great Acrimony of the Bile & in consequence the Aptness of the Stomach and Intestines to inflame if any thing stimulating is applied to them; if the Patient vomits naturally we should endeavour to promote it by giving plenty of Reluent Drink; & if we are oblig'd to give Vomites Antimonial's in small Doses are best but twice two will be chosen.

There are two very good reasons for giving Vomites here. To discharge the Acrid Contents of the Stomach and to procure a Remission of the Symptoms, which Antimonials in small Doses often do; but if we are afraid to give a Vomite, or the Patient is Castive, gentle cooling Purgatives should be used and



Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is arranged in approximately 20 lines, though it is significantly faded and difficult to decipher. The script appears to be a form of early modern English or French cursive. The page shows signs of age, including discoloration and a small stain near the top center.



And Fruits are extremely proper here, and the patient may be allowed to live on these entirely, which will keep up a gentle Diarrhoea and correct the Acrimony of the Pile, and Nature seems to point out the propriety of eating them largely as this Fever is seldom met with but where there are in the greatest Plenty and Variety.

In Diarrhoea it is often found necessary to give repeated Emollient Injections to defend the Rectum and Anus from the Acrimony of the Pile and take off its Stimulus. These should be either of warm water or with Oil.

Spicing Cordials are particularly bad in this Disease, & when any thing of this kind is needed wine is by far the best & Rhine or wine or any other Acidulated wine is good.

It is in this Disease that the best Authors, of those Countries, where it is most common, recommend the Use of cold water in great plenty, unless where the Stomach is inflamed or any topical Inflammation, but even in this case I presume it may be allowed in



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in small quantities at a time, it is the most effectual quencher of the Thirst, & brings down the Febrile heat, it is likewise a powerful Cordial and Diaphoretick, it checks the excessive Vomiting & Purging; in Italy they allow Ice water & Fruits, & there is an Instance of one patient drinking 10 lib of water at once without any bad Effect. It is a practice too in Italy to prescribe cold Glysters, but there is a very general Prodigie against them here, but if there be no topical Inflammation I can see no harm from them, they have likewise been observed to stop Hemorrhages but it is not a practice I would recommend to you here.

When the skin is very dry & parched Pediluvia are very useful but the patient should be removed in a horrow on that posture & when the Semicupium would be very good.

Cold Applications to the head relieve the Pain and carry off Delirium, Spleet animals are used for this purpose especially in this Time.



Handwritten text in a cursive script, likely from a 17th or 18th-century manuscript. The text is arranged in approximately 15 lines, though it is significantly faded and difficult to decipher. The ink is dark, and the paper shows signs of age, including discoloration and a small brown stain near the top center.



Fever, and recommended by the greatest  
 Authors, but they are egregiously mistaken  
 in the Reason they give for this practice  
 they say the Animal draws out of the Body  
 all the putrid Matter of the Disease, but  
 what they call the putrid Matter is only the  
 Juices of the Animal turned putrid by  
 the heat of the Body of the person they are  
 applied to, and not drawn out of the Body,  
 by them.

In this Fever the Diet should be of the  
 most cooling kind, with cold and fresh Air  
 and the liberal use of Fruits.

The Authors I would recommend to you  
 are Boerhaave with Van Swieten's Comment.  
 Hoffman, Baglivi, and Forti.



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## The Bilious Remittent Fever.

II. GENUS. of Remittent Fevers is the present which I chose to describe by itself in a particular manner, because it often proves fatal in Camps and to Europeans when they go into the warm climates; It is most frequent in Autumn, sometimes it is epidemic and it indeed seems to be always Endemic in hot Camp Countries, & seems to be the true product of heat and moisture.

I mentioned before that in Spring Diseases are generally attended with an Inflammation, Diathesis of the Blood and in Autumn with a Putrid, in these the Stomach and Bowels are principally affected with a great Quantity of Bile very Acid and like were that the head was affected, and in this Season does this Disease most prevail.

The Violence of the Disease is varied as the Situation is Dry or Moist, and then the Symptoms are mild for the most part, but if low and Camp they are violent and dangerous.



II

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This Fever begins with Coldness & Lassitude. Pains of head and Bones. Fullness & Sensation of Oppression at Stomach, the fever is always remarkably increased towards Evening. Great Thirst, parched Tongue; head ach, Rest. Lassness & Delirium. Violent Thirst in the Night & towards morning partial Sweats, with some remission of the febrile symptoms. If it is neglected it often degenerates into the Continued Fever without Remissions & then is soon fatal; sometimes the Fills are carried off by diarrhoea; and sometimes it begins in form of a Continued Fever.

Oct. 24 The matter that is discharged by vomiting and stool before the termination of Emetics and Catharticks is exceedingly acrid & bilious & hence the name of the Fever; they are so violent & copious as to resemble very much the Cholera morbus; when they are so they are observed frequently to carry off the Disease. It is likewise observed to be carried off by a copious sweat equally dispersed over the Body - and by the above Evacuations by Emetics



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Some and short and unsteady Hemorrhages  
have a very great tendency to make the In-  
termittents & remissions more perfect; but  
in hot Climates Hemorrhages are generally  
unfavourable Symptoms and proceed from  
a Dissolution of the Blood; the State of which  
varies considerably in this Disease

The Remissions of this Fever are not pro-  
duced by any chilliness as the Attack of it  
is; it is often attended with hard Belly  
and Costiveness which are very bad Symptoms

Worms are sometimes in this Fever &  
are of the Trunks or round kind. they con-  
stantly occasion an increased Violence of  
Symptoms, with Gripes - there is always  
a yellowness of skin more or less attend-  
ing this Fever, but not so great as in the Yellow  
Fever of which I shall treat separately.

In general some Degree of it is favourable  
if it appears about the 8 or 9<sup>th</sup> Day, but  
if sooner it is not a very good Symptom



The first of these is the  
the second is the  
the third is the  
the fourth is the  
the fifth is the

The sixth is the  
the seventh is the  
the eighth is the  
the ninth is the  
the tenth is the  
the eleventh is the  
the twelfth is the  
the thirteenth is the  
the fourteenth is the  
the fifteenth is the  
the sixteenth is the  
the seventeenth is the  
the eighteenth is the  
the nineteenth is the  
the twentieth is the  
the twenty-first is the  
the twenty-second is the  
the twenty-third is the  
the twenty-fourth is the  
the twenty-fifth is the  
the twenty-sixth is the  
the twenty-seventh is the  
the twenty-eighth is the  
the twenty-ninth is the  
the thirtieth is the



There are no Critical Days observed in this Fever; and the most favourable Termination of it is into an Intermittent or distinctly remittent, & to bring it to either of these Types should be the Physicians chief Design in his Practice. The most unfavourable is when it degenerates into a continued Fever this in warm climates almost always runs on to the Putrid Malignant Fever which generally carries off the Patient in a very few Days; If the Belly is not kept open there comes on a violent Dysentery which proves fatal in 2 or 3 Days. Diaphore is a favourable Symptom as well as in other Diseases.

In marshy Countries this Fever is always more violent in proportion to the Degree of Moisture & is very apt in 2 or 3 Days time to run into the Putrid kind especially in Autumn but as Winter advances it becomes milder. It very frequently att



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attacks in the Neighbourhood of Marshes,  
 all of a sudden with Delirium, without  
 any previous Notice or Complaint, as  
 our Soldiers often experience in Flanders,  
 when sent out foraging near any marshy  
 being often immediately seized upon their  
 coming within reach of the Vapours of this  
 marsh, with a Delirium, or likewise  
 invades in this same manner when its  
 owing to Insolation; There is for 2 or 3 Days  
 before Death a strongly putrid smell felt  
 about the Patient & a strange regularity ob-  
 served in his Pulse. In warm climates in  
 this Fever the great Prostration of Strength  
 & prostration of Spirits is owing to the same  
 cause as the sudden attack of the Disease  
 owing to a general Disposition or Tendency  
 to Putrefaction. This Fever does not differ  
 essentially from the Ardent fever before  
 mentioned, but that in it the Remissions  
 are distinct every 3<sup>d</sup> Day, and only arises from  
 external & occasional causes in general, but



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but this is Indemic in particular climates:  
 "the general way of treating this the yellow  
 and Ardent fever is much the same."

I now proceed to speak of the Antecedent  
 and Procatartick Causes of the Bilious  
 Fever, and in damp Countries we always  
 find it Indemic if they are warm, and in  
 rainy Seasons it's Epidemic once a year  
 always in these moist warm Climates. It  
 is one of the most mortal Diseases in Camps  
 especially in Autumn. The Common Soldier  
 have it generally in a much more violent  
 form than the Officers, who generally have  
 it either not at all or in the Shape of a Ter-  
 tian or Quotidian or at most but very mild.  
 This is not owing to their living more orderly  
 than the common men but they are less ex-  
 posed to the heat of the Sun by Day and the  
 evening Fogs, they have better Quarters  
 & drink more wine. The Common men a-  
 gain that were exposed all Day to the heat of







of the Sun and then were appointed to  
stays at Night & exposed to the Fogs  
never missed to have it either in form  
of an Intermittent or Remittent Bilious  
Fever; it was observed that when the  
warm weather was corrected by a fre-  
quent fall of Showers, the fever ceased, & we  
infer in general see that these kind of Fevers  
are much less frequent even in marshy  
low Countries when the ground is covered  
with rain than when the water is al-  
most exhales the reason is evident  
because of the Putrid Vegetable & Animal  
Exhalations which has been mentioned  
as arising from Intermitting fevers.

There are other predisposing Causes  
as excessive fatigue, and Drinking;  
Gluttony likewise and Intense heat of the  
Vertebralum; or a sudden check to the Pers-  
piration by putting on wet clothes when  
hot, and lying on the wet ground. The







The most frequent Cause of Mortality among our Ships to the East Indies, is the Sailors going ashore to water and sleeping in woods all night, which produces it in its worst shape. Those that do this service should be those that are accustomed to the Country and it ought to be done in the Day time.

Not long ago there was a fever of this kind that raged at dryden & proved so mortal as to carry off at least  $2\frac{1}{3}$  of the Principle Inhabitants. Described by Velinus who was at that time in high repute but from his manner of treating we may account in some measure for the Mortality. His Theory of the Disease egregiously misled him here to exhibit such remedies & Regimen as in effect greatly added to the violence of the Disease by increasing Putrefaction and so turning it into a putrid Conton. Fever.







Fever. His Practice was to give liberally of Testacea & Volatile Alkalies and to prescribe a very hott Regimen in all which are known to increase Perspiration.

This Disease is the genuine product of heat and moisture as we may be convinced by comparing the heatthiness of the Country about Rome now to what it was formerly when it was kept clean and properly drained & cleared, & for this & several other causes consult Saneise De Noctis Paludum Effluvis. Sailors are particularly disposed to have this Fever, especially in their going to the East & West Indies, in a worse Degree than others, because of their Diet being of putrid Animal Food salted between the heat and bad Air in fourse Stormy weather then they are obliged to shut the Ports, hence upon the occasional cause of going ashore formerly mentioned (dispute) the Disease will certainly be proportionably dangerous & violent - we know how much this salt putrid Animal food dis.







Disposes them to the Scurvy, which is a very putrid State of the Body - There is another Cause that disposes them to it when they see the Crew so diseased and afflicted by this mortal Disorder their own Naturall Apprehension of their own life & likewise their excessive Perspiration and sweating which Europeans have in these warm Climates subjects them to the depressing Passions. The Remittent Fever of itself does not appear to be so very contagious and all those who intend to go to the Indies should consult Dr. Linds Elegant Thesis.

The Yellowness of the Skin is not at all owing to any Hepatick Obstruction, but entirely to the Redundancy & immoderate secretion and consequent Absorption of Bile. There are some persons who are constantly exposed to putrid Effluvia both animal and Vegetable, without being at all affected by this Disease, such are Scavengers  
and





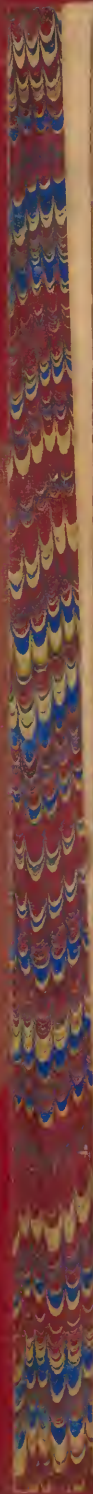


and Kitchallens Officers of the Navy and Anatomists inspecting morbid Bodies, but why these Effluvia have not the same effect as those of Marishy Countreys, which proceed from the very same Substances I cannot explain — The Inhabitants of such Countreys as these and Intermittents are frequent, are commonly healthy enough, & live to a good old Age, but in general not quite so healthy as those who live on high & elevated situations, and are not by any means so subject to them as strangers, but we find that whatever acts on the Constitution does its effect by repetition and even Poisons do this the Constitution can be so bent to them by frequent use as not to feel them.

When people sleep out in the night time they are considerably more exposed to the Air than when they walk about in the Sun on the Day time.

The Sun and Moon are observed to have a very remarkable Effect on this Disease.







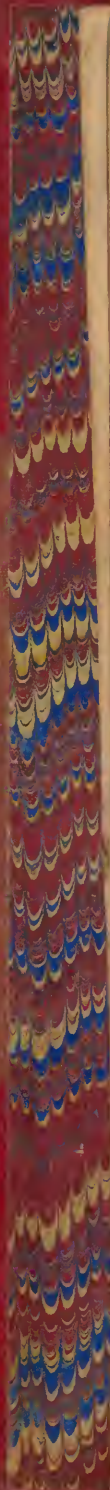
An Eclipse of the Moon frequently causes a relapse, and when the Sun is clouded the symptoms are generally more severe than when he is clear; and Patients are worst at New and full Moon and at low Water or Sea more die, these are really facts which I do not attempt to explain but may be of Importance to observe and we may be able in the Eclipse to prevent the Relapse so frequent then by the Exhibition of the Bark and in full & New Moon.

To Europeans there is no Employment in these Countries more destructive than cutting down woods especially in rainy seasons, its vein more mortal than the Plague.

I now proceed to mention in the next place the Indications of M.R. And 1 We should endeavour as soon as possible to procure an Intermission of the Fever or as perfect Remissions as we can.

2. To procure an Evacuation of the Redundant and Acid Colliquis. of Bile in the 10 & 11.





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3. To resist the Tendency to Putrefaction.

4. To moderate the Violence of the Symptoms.

As there is no Crisis in this Fever we must not depend on Nature making any Efforts for her relief. for we are very certain the greater part of those who are seized without would die if not assisted by Art - Bleeding is only occasionally necessary especially in Europe & here in case of Inflammation it may even be repeated, but in warm climates, bleeding once cannot be done at all; the most proper time when judged necessary is in the height of the Febrile Paroxysm - In warm Countries where bleeding is most dangerous when there are violent Affections in the head that require this Evacuation, Topical blood is safest & most effectual.

Evacuations are very necessary by vomiting in order to procure a Remission or Intermission that the Physician may thus have an opportunity of throwing in the Bark, which







which is the great Design of giving them & besides they procure a Discharge of the Bile and often pass by Stool - They likewise with purgatives have sometimes the good Effect to stop this Fever entirely.

When we give Imitic Tartar in this Fever & in general the Patient should not be allowed to drink soon after it because the less they drink the greater Tendency has it to pass downwards, & here D.<sup>r</sup> Boerhaave says it answers better than Ipecacuanha, which he suspects to be rather hurtful. The general way of giving the Imitic Tartar is in small Doses but in warm Climates there is great Caution necessary in giving Vomits because of the excessive Action of the Bile producing inflammation of the Guts and Stomach which would be greatly increased by the Vomit they may be given with much greater Safety in Europe, and in warm Climates if they are given soon enough there will be no Danger because this Inflammation does not happen



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happen till the 3<sup>d</sup>. or 4<sup>th</sup> Day.

Purgings is certainly necessary in this Disease to evacuate the redundant Acid Bile and likewise to assist in procuring Permissions, but they should not be of the Astringent kind otherwise they will in danger an Inflammation, they should be of the cooling mild kind and Imet Tart. Dissol. used in a Decoction of Tamarinds and Solution of Manna is one of the safest and most proper Cream of Tartar in small Doses frequently repeated is likewise very good and is selling antiscorbutic & purgative.

If Imet. Tartar does not pass by Stools a Glyster will be very proper to give it a Determination this way.

In Warm Countries this Fever is often so violent as to carry off the Patient at the 2<sup>d</sup>. Paroxysm if the first is not catched & the best prevented by the Blood, and when



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when the Bark is given before the 2<sup>d</sup> the 3<sup>d</sup> is the most violent, and it was this 3<sup>d</sup> Paroxysm that carried off the Men at the taking of the Havanna.

It has been observed that in Germany in high elevated situations, the Bark did not agree with the patients, but this was only when the P. N. were not previously cleaned & the Patient blooded - As soon as the height of the Paroxysm is gone we should begin to throw in the Bark & not wait till the sweat be over, but give ʒi. every hour till we have made them take ʒi. or 3 iʒs.

In warm climates the Stomach is very irritable & will not keep the Bark, here we are obliged to join with it 10, 12 or 15 Drops of Labdanum and if they cannot bear it in this Form we must give it <sup>in</sup> Syllers. Sometimes in <sup>the</sup> west India particularly the symptoms have run so high as that no remission could be observed & join as soon as the P. N. were cleaned the Bark has been ordered without waiting for Intermission.



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Dec. 25 Intermission or Remission.

1708. In this Fever the common Febrifuges cannot be given on account of the great Irritability of the Stomach, and Saline Draughts are liable to the same Objection, unless given in the Act of Effervescence & then they stop the vomiting and are by Experiment found to be Antiseptic; but these and all Nutrit Salts are found offensive to the Stomach & the more so on account of the Putrid Colliquies in the B.N. When Juice of Lemons cannot be had an easy Method of making them is by taking one part fix'd Alkali and 2 parts of Cream of Tartar and putting them into water where they raise an Effervescence.

The Prostration of Strength & Depression of Spirits indicate the use of Cordials and wine is the most proper with some Orange Juice in it, Volatile Alkalies because of their stimulating the Stomach too much & not on account of their septic Quality which they do not at all have, are improper here, unless it be when a very sudden stimulus is wanting. These Medicines disgust the Patients Stomach.







stomach and prevent its leaving the Stomach  
 which is the Medicine on which the Life depends  
 in this Disease. The Diet here should be  
 cooling and Astringent, & fruits are partic-  
 ularly proper, but what is of the greatest  
 consequence in point of Regimen is removing  
 the Patient immediately into a dry cool air  
 or an elevated situation, the suddenness  
 of the Surgery shows the very quickness of  
 contagion and if by any means it is practicable  
 to remove the Patient it should be done, but  
 when this is impossible no Medicines  
 will avail; This Removal is no doubt attend-  
 ed with some real Inconvenience and curi-  
 dange but if he is carried to a considerable Distance  
 in a horizontal posture on a little & common  
 care taken of him there will be little or no danger  
 & Dr. Lind has even them removed several  
 Miles in this way without any bad Effect at  
 all, but in doing it we should be careful to shut  
 out the Light because it has a bad effect in  
 increasing the Delirium; there are very few  
 places or Countries, even the most unhealthy, but



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but you'll find some spots where the Indem-  
 ic Disease does not prevail & the Inhabitants  
 are perfectly well. Our people are egregiously  
 mistaken when they say it's the <sup>not</sup> the Miasm  
 & putrid Effluvia, but the heat that does it, this  
 alone will never do it, It is found that in case  
 at land there be no conveniently situated Place  
 for removing the sick to, if they are taken aboard  
 a ship at such a distance from Land as to be out  
 of the reach of the Fogs, it has a remarkable  
 good Effect & is a Circumstance which ought to  
 be well attended to & remembered by all such  
 as intend to go to the West Indies, or to the  
 Coast of Guinea where this often happens  
 & to all Europeans proves beneficial.

In the Intermittents in England the same  
 happens, for we are often obliged after giving  
 Medicines to no purpose while the Patient  
 remains in the Marshy & damp places, to  
 remove him to dry elevated Situations and  
 then he will recover in a few weeks perfectly.

Fresh Air and Food with the greatest Cleanliness  
 are indispensible points in Regimen. B. 1. c. 1.







Blisters in warm inflammations are not proper unless in cases of Coma or Stupor; sometimes when applied to the Region of the Stomach they remove the vomiting & in less pain it occasions, in the beginning of the Disease they rather exasperate the symptoms.

Too soon using much Animal food causes a Relapse, the best means of preventing of which is Bark, Cold Bathing & proper regimen of Diet; in Europe the frequent use of Opium and other flatulent substances, and neglect of the Bark bring on a Relapse.

The Best preservatives against this Fever is a proper degree of Exercise, avoiding humid Damps, and sleeping in dry well aired Rooms.

The Authors I would recommend to you on this subject are D.<sup>r</sup> Pringle, and D.<sup>r</sup> Norris on Contagious Diseases, but especially D.<sup>r</sup> Lister & Sydenham on Diseases of men &c.



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 100. *Chamaecrista* *sp.*



# The Yellow Fever.

**III.** GENUS of this Order is the Yellow Fever of the West Indies, I might have perhaps included it as a species of the Bilious Fever but as there are some symptoms that can easily distinguish them & are particular to this Disease, and because it is so very fatal to Europeans I chose rather to handle them separately.

The yellow Fever begins with Anxiety, Tension and Weight of the Hypochond. & Precordia, a burning heat of the Eyes, vomiting of Bile, great Debility & yellowness of the skin.

It is divided into two Stages, 1. The Ardent and Inflammatory, 2. The Putrid Stage.

The Ardent Stage begins with Rigor, Redness of the face, above the Eyes, Nausea, there are succeeded by Ardent pungent heat, the Pulse is full & soft, a violent Pain of the head, with



Handwritten text, likely a list or index, with several lines of script. The text is faint and mostly illegible due to fading and bleed-through from the reverse side. A large, dark, irregular stain is visible on the left side of the page, partially obscuring the text.



with great Pulsation of Carotid Arteries & flushing of the face. There are now Pains of the Eyes, vomiting of Bile of various Colours from yellow to green and Black, & so very Acrid as to excoriate the Gullet and Anus & bring the Blood. Now there is great Internal heat, Tension & Swelling of the Hypochondria the Breathing hot and difficult, Tactation & want of Sleep, unquenchable Thirst, Bitterness of the Mouth very great. The Tongue yellow but not very foul, Lactiveness, Urine red & high coloured & in small Quantity. Much in for the most part dry, tho' sometimes moist. On the 2<sup>d</sup> Day there is commonly a Remission for a few hours, but the Symptoms return with increased Violence and the Tongue grows brown in the Middle, but red at the Sides the Lips are likewise red; the Tongue at the End of the Frenum grows Black.

This is the Acrid Stage of the Disease but after this the Symptoms of Putrefaction come on & hence we name it the Putrid Stage.



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stage; and on the 3<sup>d</sup> Day we commonly ob-  
serve a viscid symptomatick sweat, and the  
Pulse large soft & full; the Skin feels coldish  
there is great Anxiety, with some remissions  
fainting on the least Motion, Breathing deep,  
the Patient Comatose, with transient fits of  
Delirium, Yellowness over the whole Body  
but very Deep in the face and Eyes.

On the 4<sup>th</sup> Day Vomiting continues & the Blood  
thrown up is mixed with Blood, this continues  
passes by stool, & the Putrid symptoms follow  
as Hemorrhages, cold & swelled Limbs, new  
Thicup, Urine bloody of a yellow colour with  
a black Sediment, which is a very bad sym-  
ptom but if absent all the other appearances  
are exasperated, & now there appear black  
spots on the surface of the Body & shortly  
the Patient dies either Comatose or by a sud-  
den and general convulsion. The state of  
the Blood in the beginning of this fever is  
always to be somewhat depraved, but in  
the end is altogether so & very fatal, This



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This Fever sometimes comes on very mild & all of a sudden kills the Patient, when no Danger was seemingly to be apprehended.

The Delirium is never constant, & in Cases where there are no Purifications or evacuations fatal on the 2<sup>d</sup> Day. It sometimes runs into an Intermittent, but is observed that in Barbadoes it never takes this turn. It is sometimes carried off by Sweats and by Diarrhoe, seldom by Vomiting, & never by Hemorrhages, because they always appear in consequence of the Deposition of the Blood, it is carried off too by Natural Salivation. Instead of growing pale when they faint here they grow more yellow.

The Yellowness appearing only about 3 or 4 Days of the Disease is not so critical.

Physicians who have not had Experience, upon seeing a person tomorrow as very apt to think their patient out of Danger, tho' perhaps within a few hours of Death, because the Pulse becomes soft, full & slow, the heat less, the breathing full and deep and every thing almost as in health.





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There is often in this fever a brightening before Death and recovery of the senses for a few hours and then the Patient suddenly carried off by a sudden Convulsion.

In Carolina this fever is attended with a dry tongue, little thirst, & vomiting on the 2<sup>d</sup> first Days, Urine of various colours, from pale and limpid to high coloured, the stools are bilious and after the first Day fetid, there is great prostration of strength, and the fever goes off on the 3<sup>d</sup> Day, the pulse then grows hard & slow, then soft, the heat less, perspiration and tongue are soft, the Pulse continues to rise, the vomiting lasts and the bile thrown up is often black and proves a mortal symptom upon the vomit long there is an increase of putrefactive symptoms, of the Delirium, Jaundition, there are Petechæ, Black stools & hemorrhages, sometimes they live 3 or 8 Days and often it proves fatal in 48 hours. The greater the sediment in the Urine for the first 2 days of the fever the more fatal the consequence, & the sooner the yellow colour



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appears the more fatal the Disease, the Pulse  
 is often as in health, from this Account of it  
 in Carolina it appears to be the same as in the  
 West Indies tho' different in some circumstances  
 Antecedent & Precedent Causes. It is pecu-  
 liar to strangers & seldom attacks the Inhabi-  
 tants. Those who are most subject to it are the  
 young, the sanguine & plethoric, those who most  
 feared it's attack are most apt to be cured of it;  
 it; people who come from a cold Climate, or have  
 been weakened by previous Diseases are more  
 subject to it than others. It's violence is greatly  
 increased by hot calm weather & Putrid Exha-  
 lations, but frequent cool breezes contribute  
 to abate the symptoms and to the general  
 health of these places; it is likewise produced  
 by being much exposed to the heat of the Sun  
 by drinking largely of fermented liquors  
 & feeding much on animals, and by the heat  
 Damps. In Carolina it is infectious, hence  
 different from what it appears to be in the  
 West Indies, and is a fever that occurs once  
 in one's life. In Carolina, the children are





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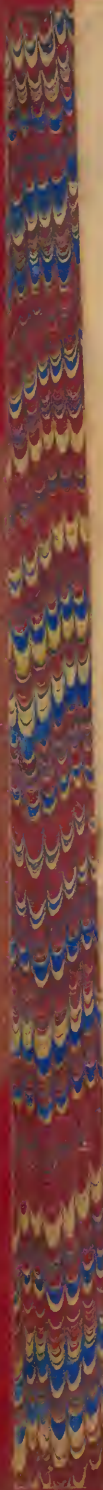


and Negroes escaped, but were subject to  
 bilious remittent Fevers, The Contagion how-  
 ever did not spread in the Country, and as  
 every other Infectious Distemper was checked  
 by the approach of winter; The symptoms were  
 observed to be increased by long hot Days and  
 by the Patient being kept in close Rooms.

The Proximate Cause. In this as well as  
 in the 2 former fevers there appears a very  
 great Redundancy Arterial & Absorption of  
 the Bile, and in the first Stage there are com-  
 monly Local Inflammations especially of the  
 Liver and Stomach, which is succeeded by  
 the Putrid Stage.

The Reason why the Natives are not subject  
 to it may be that they have a laxer System and  
 the Vessels on the Surface are always full & they  
 sweat easily, but it's a considerable time be-  
 fore the Skins of Europeans can be rendered  
 lax by the heat, or the Cutaneous Vessels become  
 to yield to the necessary fullness for supplying  
 the sweat, and as there is a remarkable Degree of  
 equality observed 'twixt the Ingesta & Egesta







Egerta, and a constant tendency to putrefaction in the Animal System, if therefore the superfluous putrid particles are not carried off this tendency will be increased by this besides by the heat of the Climate and Moisture, and if to this we add that the Excretions are lessened no wonder will remain that these places should produce this Disease on Strangers.

I am not certain if the Yellowness flowing to the Absorption of the Mole, because we often see the skin rendered yellow from other Causes as putrid Scum, & the Bite of the Viper causes a Disease in which the Skin is Yellow and in the Scurvy, which is a very putrid Disease. Morbid Dissections throw no light on this Proximate Cause of this Fever, only show it to be as Inflammations of Momm and Gangrene. The Liver is inflamed enlarged & suppurated & the Brain affected in the same way.

In many Circumstances it nearly resembles the Plague, tho' essentially & specifically Different in others, & I do not think the Plague ever appeared in the West Indies. I now come to mention





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The Indications of Cure. The 1<sup>st</sup> is to moderate the Inflammatory Symptoms in the beginning  
2<sup>d</sup> To evacuate the Acrie Collicules in the 1<sup>st</sup> in order to procure a Remission of the Symptoms.

3 To check the Putrefactive tendency by Antisepticks

4 To reduce the particular Symptoms & support the Strength.

It is necessary in the beginning to abate the Inflammatory Symptoms to draw some Blood, but this should be done with Caution otherwise it will produce very bad Effects and the quantity should never exceed 3 or 4 ozs. where the head is very much affected, after evacuating has perhaps been promised, cupping & Scarifying are much less dangerous & more effectual. Bleeding in the beginning moderates the symptoms and lessens the Putrefactive tendency, but unless in the very beginning it is not at all advisable afterwards.

Emetics in this Fever should be given with great Caution because of the great irritability of the stomach & it being so apt to be inflamed by the Acrie Acid / Bile; but Tartar Emetic



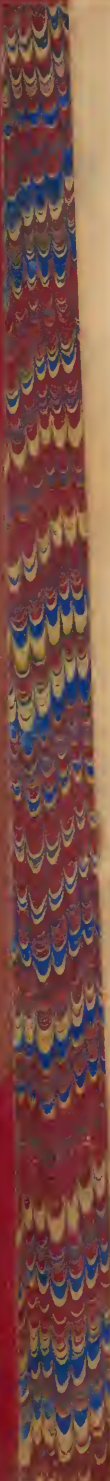




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Emetic given in small Doses or in the Decoction of Tamarinds recommended in the last Disease it carries down the Bilious Galleries & more certainly when small Doses of Laudanum are added, Glysters likewise cause it exert its Effects by stool, & besides the copious Stools & the relief of the other Symptoms it likewise procures Remissions so gives an opportunity of throwing out the Bile. If the Natural vomiting is violent, the Stomach may be cleared by Chamomile Tea, and afterwards the vomiting stops by the saline Draughts with opisthotos and a warm Cataplasm of Theriac & Laudanum applied to the Pitt of the Stomach proves very serviceable in this Case. It is observed when James's Powder is given in the End it's attended with fatal Effects, & no wonder considering the Case of the Stomach & it's violent Operation: it may be a question whether the Inflammation of the Intestines & Stomach be caused by the Acrid Bile or violent Symptoms.



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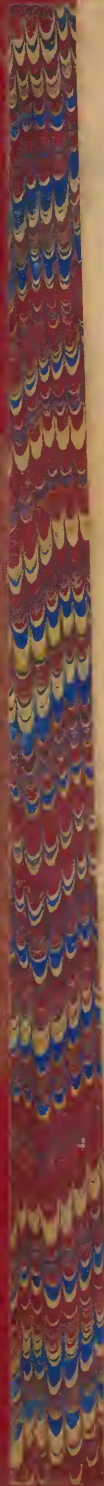
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I mentioned before the Danger of giving Emetics especially in the End of the Fever, because of the irritability of the Stomach, and the Danger of Inflammation, which is generally seated in the Duodenum, therefore that the Stomach might be washed out with Chamomile Tea, and after this to direct the Operation of the Stomach downward, to join it with Tamarinds & Manna, & if afraid to give it at all, as it's necessary to evacuate the putrid & sharp bilious Collicies either way collency laxatives which have this Effect with the least Stimulus, may be given to great advantage, and the best of this kind are fruits and especially Tamarinds.

The Saline laxatives as Glauber Salts & Regenerate Tartar, are very proper in this case but the Stomach rejects them, & in order to prevent this Operation should be joined with them, which is an exceeding useful Practice in this & many other Cases where the Stomach is so easily irritated. It is always necessary here







here to keep up a gentle Diarrhoea from the  
beginning of the Fever, to the end till the Acid  
Bile should be accumulated.

But here should certainly be of the most cool-  
ing and Ajuacent kind, & fruits if they can be  
had should be eaten freely - Cold water has  
the same good effect here as in the Ardent fever  
& checks the vomiting when nothing else will  
do it, it may be made a general Rule that  
all Drinks should be given in very small  
Quantities in all cases where there is such  
Irritation of Stomach.

If Cordials are required Wines the best mix-  
ed with lime or orange juice, Rhenish being  
or old hock or claret are most proper, then  
stimulating Cordials as serpentary, Camphor,  
Sal. s. s. &c irritate the Stomach prodigious  
& are directly rejected, but Dr. Hillary mentions  
a case where the Bark would not sit on the  
Stomach at all & a Decoction of Serpentary  
cured the Fever, & sat easy

The dryness of the skin formerly mentioned



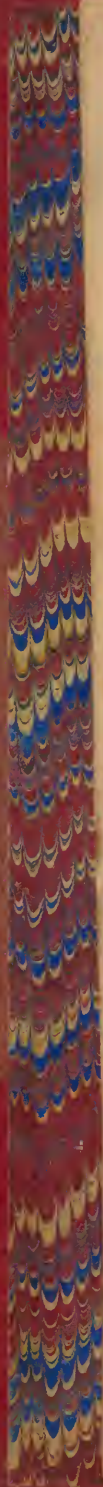




strongly points out the propriety & necessity of <sup>the</sup> use  
 of warm Fomentations to the Extremities, it  
 relaxes, promotes Diaphoresis, and acts as  
 a plentiful diluter, which last is especially  
 necessary when by reason of the vomiting  
 proper & sufficient quantities of liquids cannot  
 be swallowed; & over and above what it pro-  
 motes Perspiration during the vomiting soon  
 brings on a copious sweat, & it has been a  
 successful Practice for this Purpose to put  
 on the Patient a wet shirt of flannel wrung  
 out of warm water, which procured a sweat  
 when nothing else would do it; these warm  
 fomentations & Bathings, are especially  
 useful, in the Ardent Stage of this Fever;  
 but if at all used, in the Putrid state, it should  
 be used very cautiously; because the Patients are  
 exceedingly apt to faint, & if in the least hot,  
 increases Depression of Strength & the vitia;  
 in generall it is most needed & most proper  
 in the Inflammatory Stage, of this Fever.

Blisters are in generall of more service  
 in the Ardent Stage, they exasperate







all the symptoms, and in the latter, are of no manner of use, unless in Cases of Lemnastropia. Mercury is a great enemy to them, in this fever, tho' on a piece of very idle theory, the Alkaline salts of the Cantharides, being thrown into the blood, says he, dissolves it, & induces Putrefaction; but this, as may be collected from what I have already said, of Blestips, is erroneous.

After cleansing the Blood by the Medicines already mentioned, which have the good Effect of procuring Remissions, & sometimes too, carry off the Fever entirely; but as soon as the least Remission appears, the Bark is to be given either by the Mouth if the Stomach will at all bear it, or by Glyster, and given in as great Quantity as the Patient can take because it is the only remedy to be depended on in this Fever. Some have said that it cures the Mania that remains after Fevers, but I believe they would have gone off without it, & they often disappear in Fevers when Bark has not been used. There are some Stomachs that reject the Bark in every







every Form it can possibly be given in  
even in form of Glyster, but the Glyster sh<sup>d</sup>  
have some Laudanum mix'd with it, and  
Opium in a dose of gr. ss. in a pill checks the  
Vomiting better than in a liquid form, & we  
find the Stomach sooner rejects liquids with  
Laudanum than this form with no liquor  
and here they must abstain from drinking  
with it.

I now shall mention some circum-  
stances necessary to be attended to by those  
who intend to go to these warm climates  
relative to the Prophylaxis. And when  
Young, Plethoric people & such as are subject  
to Inflammatory Diseases, go to such  
climates it's proper they should lose some  
Blood, & but a small Quantity & only such  
persons should lose any & it must not be  
estimated a general Rule, for it will not pro-  
tect them from the Fever, the Intention of it  
is only to render the Symptoms more mild  
the fever begins; It is of the utmost im-  
portance to keep up a due Degree of







Perspiration, hence Pediluvia at night  
 & fomentations with frequent Bathing  
 are necessary to relax the skin and Dipping  
 in the Sea is found to be the best Cordial  
 and promoter of Diaphoresis that can  
 be taken. It is particularly necessary  
 to keep a very open Belly especially by eating  
 freely of fruit, and when these cannot be  
 had Crim of Tartar in small doses must  
 supply their place, and a cool vegetable Diet  
 should be persisted in; Animal food & more  
 fermented liquors are both very bad; but  
 wine may be used in moderation; the heat  
 of the sun should be avoided; but above  
 every thing the Exposure to Night Damps  
 lying at night in the open Air these are  
 most frequent & worst causes of this Fever  
 When the Fever makes it's appearance  
 in a damp moist Place the Patient should  
 be immediately removed to a high elevated  
 situation, which will greatly contribute  
 to his recovery, in Antigua is a hill  
 the Inhabitants of which enjoy perfect







perfect and uninterrupted health, and the persons removed to it generally soon recover and do well.

There are many circumstances in which these fevers the Ardent, Bilious, Remittent & Yellow Fever are found to agree, there is in all of them a Disposition to hemorrhage, in all of them there is a Pile and ery of Bile, all begin with Inflammatory symptoms they agree in that evacuating Medicines often entirely carry off the Fever, and seldom stop of procuring a Remission of the symptoms or an Intermission, and the Bark cures them all at this Period, they agree in the great Irritability of the stomach, and this as was before said should make Physicians particularly solicitous not to disgust the Patient with Drugs, & so render him unable to swallow the Bark, there should for the very reason be the greatest compliance of Prescription observed, I apprehend none more are need say here, but Antimony, the Bark and fruits, and wine as a support.



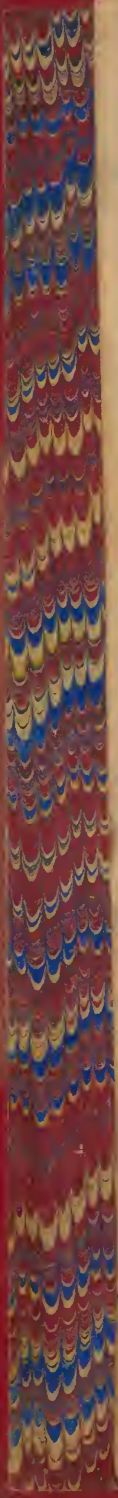
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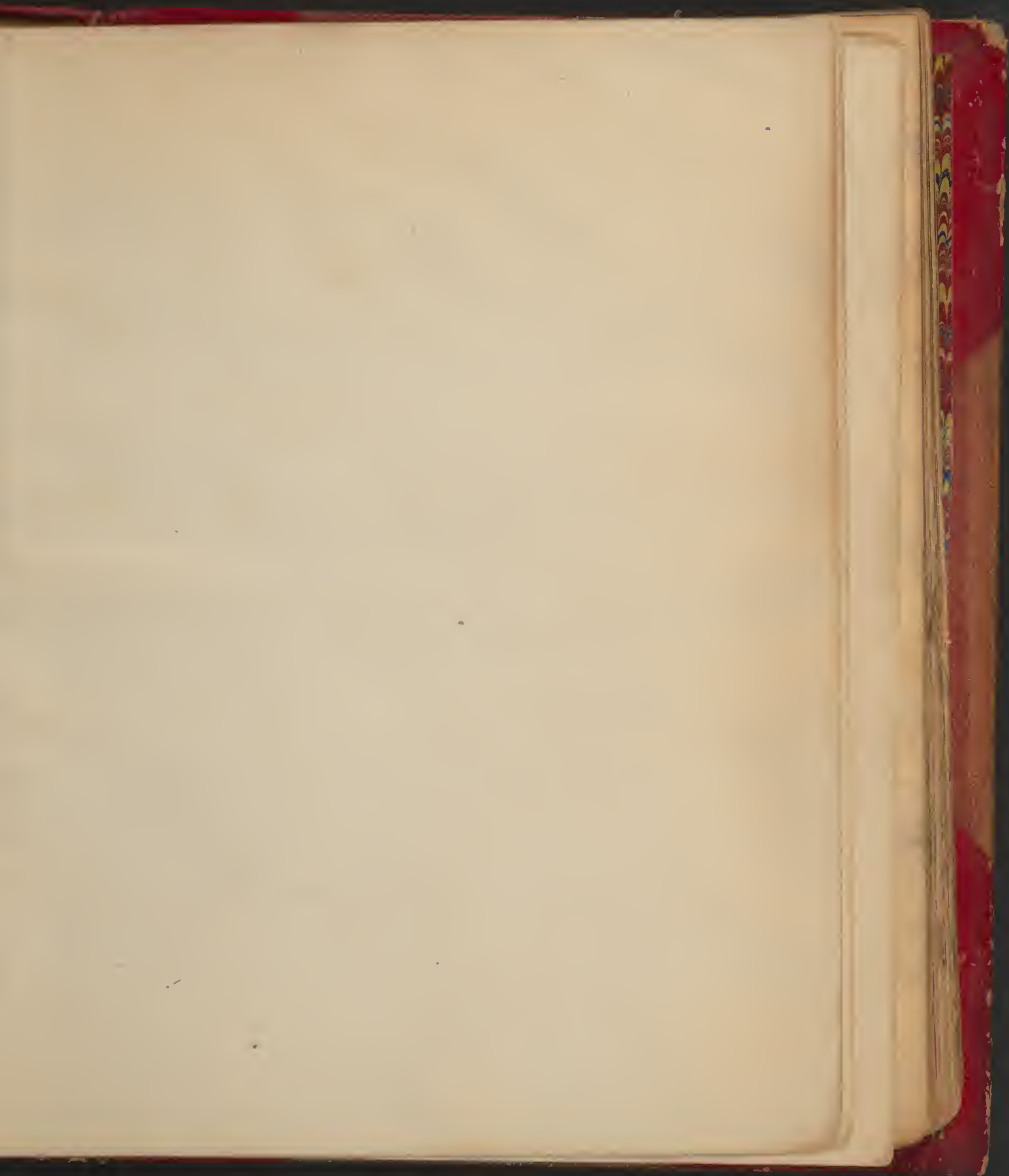
The authors I would recommend are Dr. Willoughby  
 Dr. Meibomius, Dr. Lind in the *Edinburgh*  
*Medical Essays*, but you should be cautious  
 in following the practice of authors who  
 wrote some years ago, because apprehending  
 the method of treating the Disease now is a  
 little different from what it was then and  
 now the treatment is much more ample  
 and better adapted to the disease.



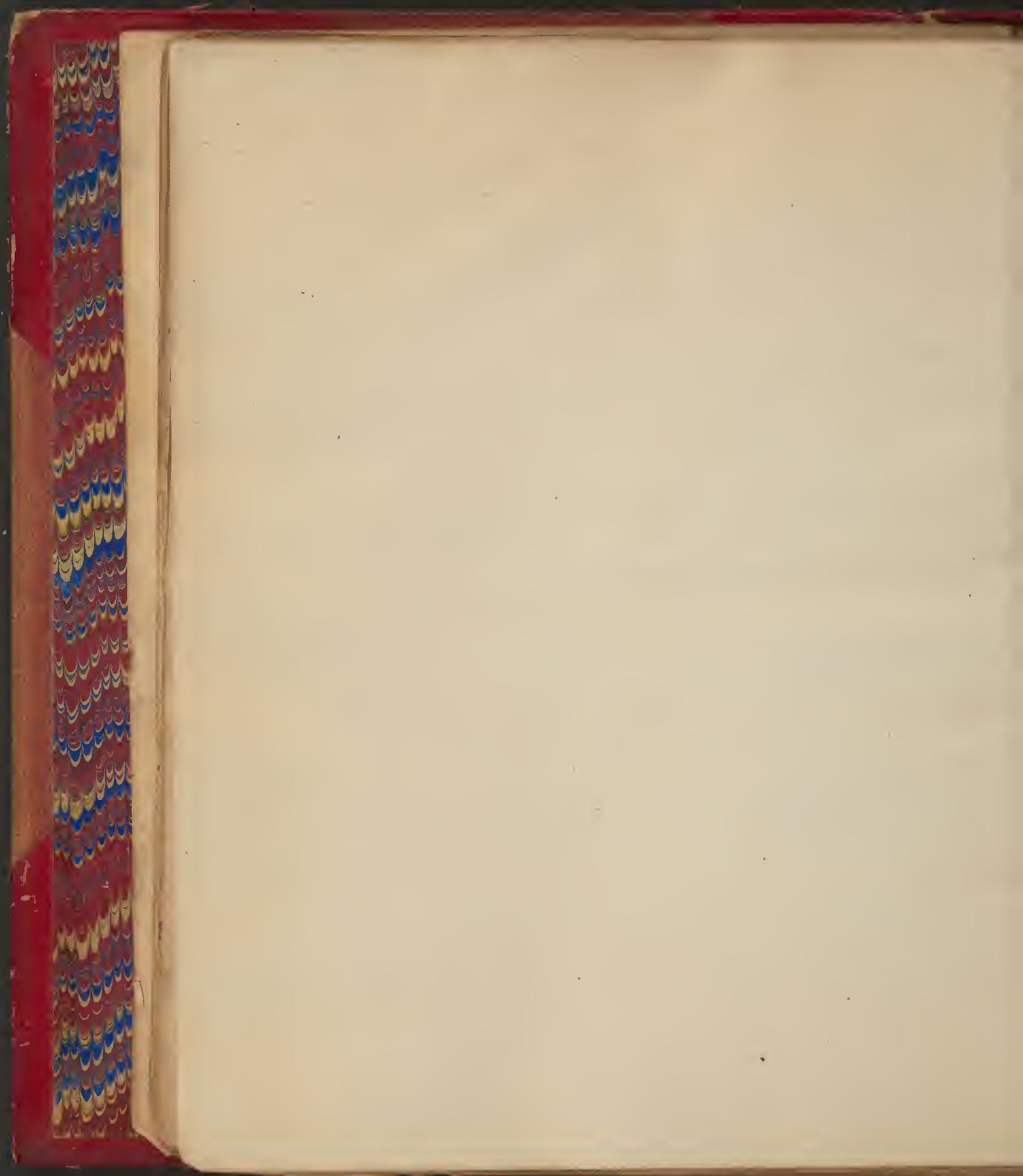
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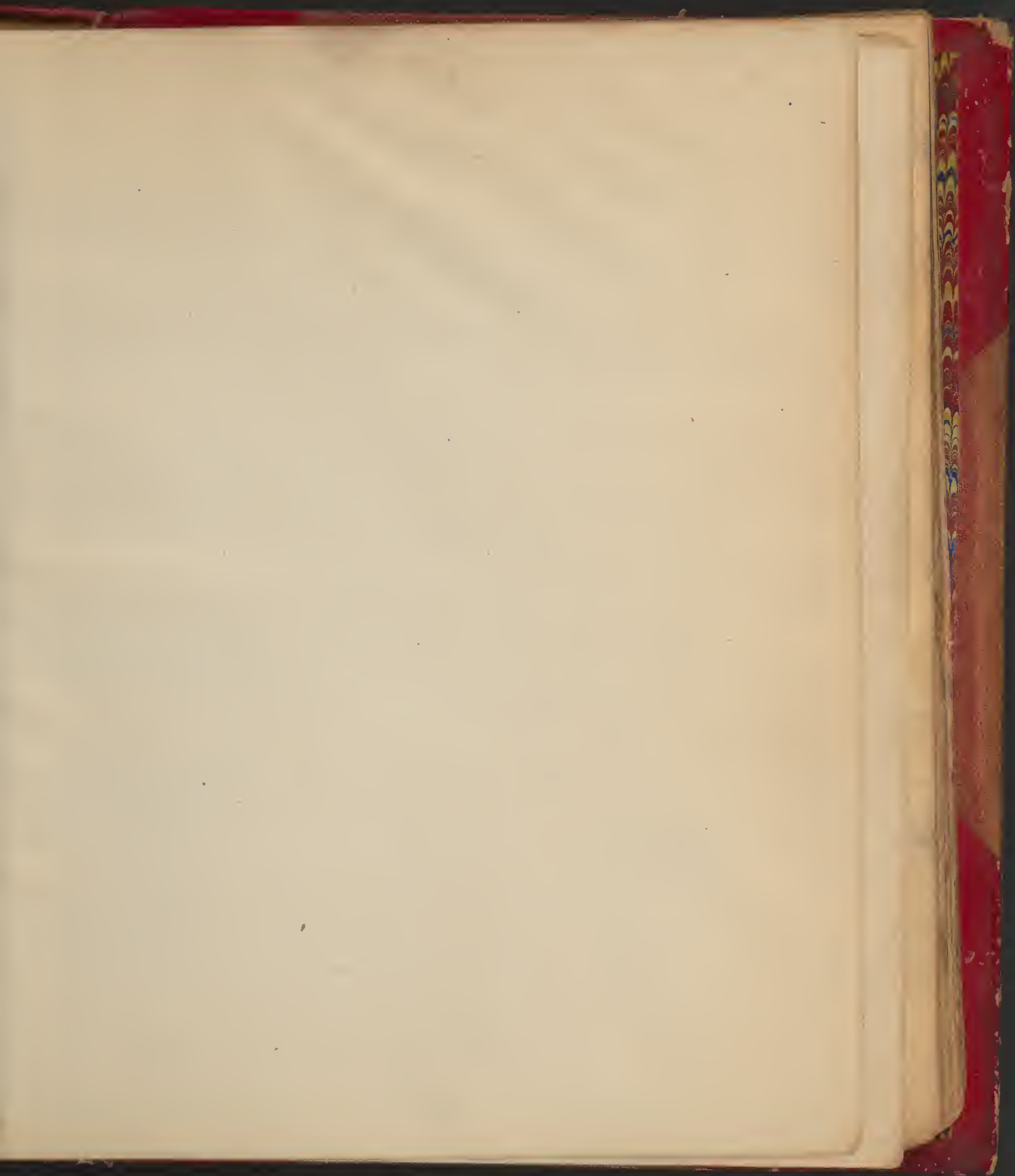




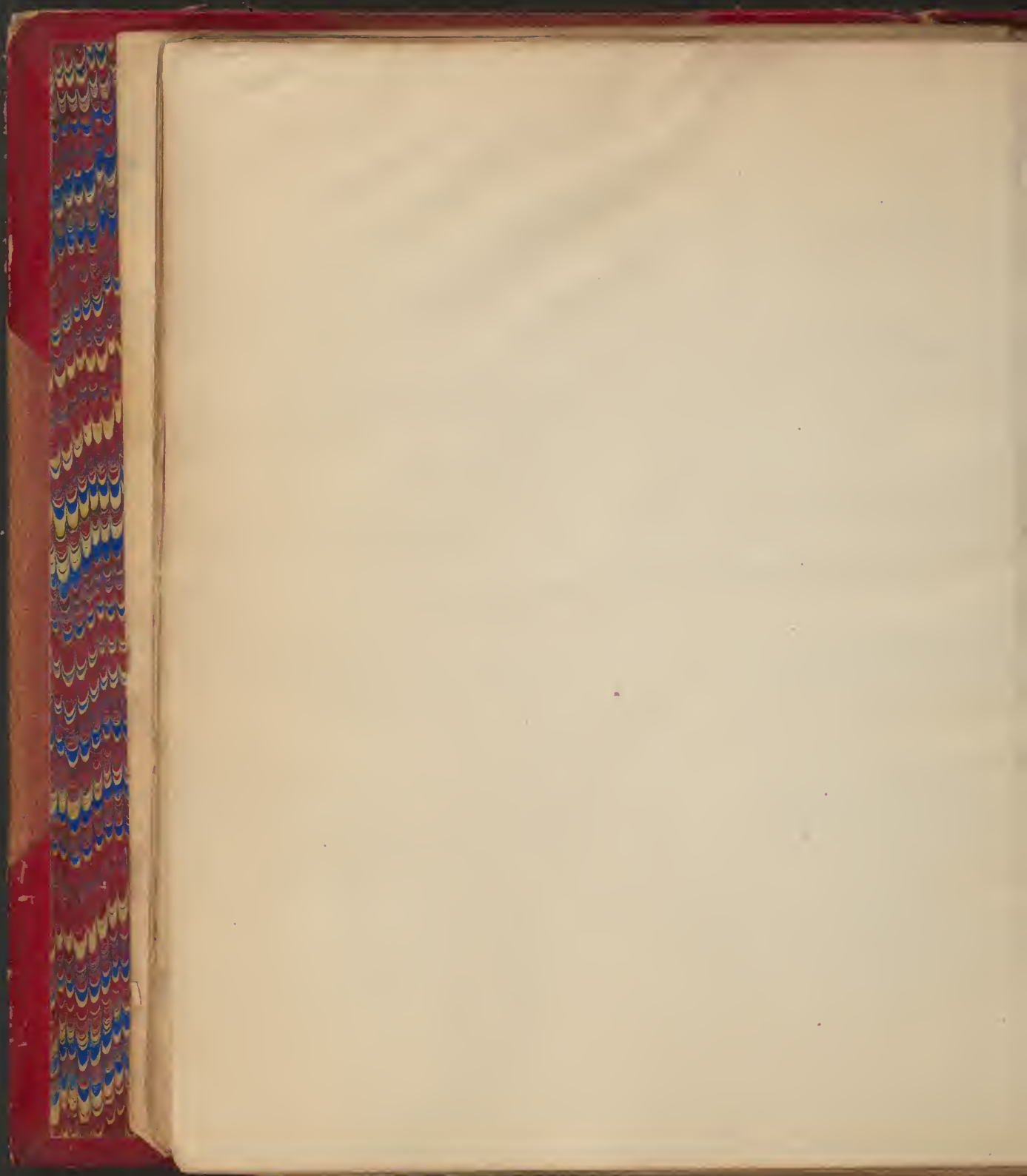














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